DISTRIBUCION F DE SNEDECOR

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Función de densidad:

$$f(x) \;=\; \frac{\Gamma\left(\frac{n+d}{2}\right)}{\Gamma\left(\frac{n}{2}\right)\cdot\Gamma\left(\frac{d}{2}\right)}\cdot\left(n/d\right)^{n/2}\cdot\frac{x^{n/2-1}}{\left(1+\frac{n}{d}x\right)^{\frac{n+d}{2}}} \qquad si \quad x>0$$

Espacio paramétrico: grados de libertad del numerador n y grados de libertad del denominador d ambos enteros positivos.

Valor esperado: $\frac{d}{d-2}$ $\quad para\ d>2$

Varianza: $\frac{2d^2(n+d-2)}{n(d-2)^2(d-4)}$ $\quad para\ d>4$

Función generadora de momentos: *no existe*

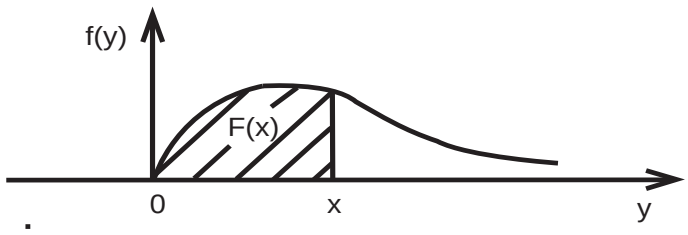

TABLA DE DISTRIBUCION F DE SNEDECOR

La tabla entrega valores de la cuantila z para valores dados de probabilidad acumulada $F(x) = \int_0^x f(y)dy$.
Los valores de probabilidad acumulada son: 0.005; 0.010; 0.025; 0.050; 0.100; 0.750; 0.800; 0.850; 0.900; 0.950; 0.980; 0.990; 0.995.
Los valores de los grados de libertad del numerador son: De 1 a 20; de 25 a 40 variando en 5; de 50 a 100 variando en 10; 120; 150.
Los valores de los grados de libertad del denominador son: De 1 a 30; de 35 a 100 variando en 5; 110; 120; 150; 200; 500.

INVERSION DE LA F DE SNEDECOR

Se puede usar la siguiente relación para calcular valores que no aparecen en la tabla:
Si la variable aleatoria X tiene distribución **F** con n grados de libertad del numerador y d grados de libertad del denominador, entonces $1/X$ tiene distribución **F**, con d grados de libertad del numerador y n grados de libertad del denominador.
Por lo tanto se pueden obtener más valores de los que aparecen en la tabla, mediante en la relación $F_{n,d}(x) = 1 - F_{d,n}(\frac{1}{x})$ en que F es el valor de probabilidad acumulada de la tabla, el primer subíndice corresponde a los grados de libertad del numerador, el segundo a los grados de libertad del denominador.

TABLA DE DISTRIBUCION F DE SNEDECOR

GRADOS DE LIBERTAD numerador → 1
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.000	0.000	0.002	0.006	0.025	5.828	9.472	17.35	39.86	161.4	647.8	1013	4052
2	0.000	0.000	0.001	0.005	0.020	2.571	3.556	5.207	8.526	18.51	38.50	48.50	98.49
3	0.000	0.000	0.001	0.005	0.019	2.024	2.682	3.703	5.538	10.13	17.44	20.62	34.12
4	0.000	0.000	0.001	0.004	0.018	1.807	2.351	3.162	4.545	7.709	12.22	14.04	21.20
5	0.000	0.000	0.001	0.004	0.017	1.692	2.178	2.888	4.060	6.608	10.01	11.32	16.26
6	0.000	0.000	0.001	0.004	0.017	1.621	2.073	2.723	3.776	5.987	8.813	9.876	13.75
7	0.000	0.000	0.001	0.004	0.017	1.573	2.002	2.613	3.589	5.591	8.073	8.988	12.25
8	0.000	0.000	0.001	0.004	0.017	1.538	1.951	2.535	3.458	5.318	7.571	8.389	11.26
9	0.000	0.000	0.001	0.004	0.017	1.512	1.913	2.477	3.360	5.117	7.209	7.961	10.56
10	0.000	0.000	0.001	0.004	0.017	1.491	1.883	2.431	3.285	4.965	6.937	7.638	10.04
11	0.000	0.000	0.001	0.004	0.017	1.475	1.859	2.395	3.225	4.844	6.724	7.388	9.646
12	0.000	0.000	0.001	0.004	0.016	1.461	1.839	2.365	3.177	4.747	6.554	7.188	9.330
13	0.000	0.000	0.001	0.004	0.016	1.450	1.823	2.341	3.136	4.667	6.414	7.024	9.074
14	0.000	0.000	0.001	0.004	0.016	1.440	1.809	2.320	3.102	4.600	6.298	6.888	8.862
15	0.000	0.000	0.001	0.004	0.016	1.432	1.797	2.302	3.073	4.543	6.200	6.773	8.683
16	0.000	0.000	0.001	0.004	0.016	1.425	1.787	2.287	3.048	4.494	6.115	6.674	8.531
17	0.000	0.000	0.001	0.004	0.016	1.419	1.778	2.273	3.026	4.451	6.042	6.589	8.400
18	0.000	0.000	0.001	0.004	0.016	1.413	1.770	2.261	3.007	4.414	5.978	6.515	8.285
19	0.000	0.000	0.001	0.004	0.016	1.408	1.763	2.251	2.990	4.381	5.922	6.449	8.185
20	0.000	0.000	0.001	0.004	0.016	1.404	1.757	2.241	2.975	4.351	5.871	6.391	8.096
21	0.000	0.000	0.001	0.004	0.016	1.400	1.751	2.233	2.961	4.325	5.827	6.339	8.017
22	0.000	0.000	0.001	0.004	0.016	1.396	1.746	2.225	2.949	4.301	5.786	6.292	7.945
23	0.000	0.000	0.001	0.004	0.016	1.393	1.741	2.218	2.937	4.279	5.750	6.249	7.881
24	0.000	0.000	0.001	0.004	0.016	1.390	1.737	2.212	2.927	4.260	5.717	6.211	7.823
25	0.000	0.000	0.001	0.004	0.016	1.387	1.733	2.206	2.918	4.242	5.686	6.176	7.770
26	0.000	0.000	0.001	0.004	0.016	1.384	1.729	2.200	2.909	4.225	5.659	6.144	7.721
27	0.000	0.000	0.001	0.004	0.016	1.382	1.726	2.195	2.901	4.210	5.633	6.114	7.677
28	0.000	0.000	0.001	0.004	0.016	1.380	1.723	2.191	2.894	4.196	5.610	6.087	7.636
29	0.000	0.000	0.001	0.004	0.016	1.378	1.720	2.187	2.887	4.183	5.588	6.062	7.598
30	0.000	0.000	0.001	0.004	0.016	1.376	1.717	2.183	2.881	4.171	5.568	6.038	7.562
35	0.000	0.000	0.001	0.004	0.016	1.368	1.706	2.166	2.855	4.121	5.485	5.942	7.419
40	0.000	0.000	0.001	0.004	0.016	1.363	1.698	2.154	2.835	4.085	5.424	5.872	7.314
45	0.000	0.000	0.001	0.004	0.016	1.358	1.692	2.145	2.820	4.057	5.377	5.818	7.234
50	0.000	0.000	0.001	0.004	0.016	1.355	1.687	2.137	2.809	4.034	5.340	5.776	7.171
55	0.000	0.000	0.001	0.004	0.016	1.352	1.683	2.131	2.799	4.016	5.310	5.741	7.119
60	0.000	0.000	0.001	0.004	0.016	1.349	1.679	2.126	2.791	4.001	5.286	5.713	7.077
65	0.000	0.000	0.001	0.004	0.016	1.347	1.676	2.122	2.784	3.989	5.265	5.689	7.042
70	0.000	0.000	0.001	0.004	0.016	1.346	1.674	2.118	2.779	3.978	5.247	5.668	7.011
75	0.000	0.000	0.001	0.004	0.016	1.344	1.672	2.115	2.774	3.968	5.232	5.651	6.985
80	0.000	0.000	0.001	0.004	0.016	1.343	1.670	2.113	2.769	3.960	5.218	5.635	6.963
85	0.000	0.000	0.001	0.004	0.016	1.342	1.668	2.110	2.765	3.953	5.207	5.622	6.943
90	0.000	0.000	0.001	0.004	0.016	1.341	1.667	2.108	2.762	3.947	5.196	5.610	6.925
95	0.000	0.000	0.001	0.004	0.016	1.340	1.665	2.106	2.759	3.941	5.187	5.599	6.909
100	0.000	0.000	0.001	0.004	0.016	1.339	1.664	2.104	2.756	3.936	5.179	5.590	6.895
200	0.000	0.000	0.001	0.004	0.016	1.331	1.653	2.088	2.731	3.888	5.100	5.500	6.763
500	0.000	0.000	0.001	0.004	0.016	1.326	1.647	2.079	2.716	3.860	5.054	5.447	6.686

DISTRIBUCION F DE SNEDECOR (2)

GRADOS DE LIBERTAD numerador → 2

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.005	0.010	0.026	0.054	0.117	7.500	12.00	21.72	49.50	199.5	799.5	1250	5000
2	0.005	0.010	0.026	0.053	0.111	3.000	4.000	5.667	9.000	19.00	39.00	49.00	98.98
3	0.005	0.010	0.026	0.052	0.109	2.280	2.886	3.813	5.462	9.552	16.04	18.86	30.82
4	0.005	0.010	0.025	0.052	0.108	2.000	2.472	3.164	4.325	6.944	10.65	12.14	18.00
5	0.005	0.010	0.025	0.052	0.108	1.853	2.259	2.840	3.780	5.786	8.434	9.454	13.27
6	0.005	0.010	0.025	0.052	0.107	1.762	2.130	2.646	3.463	5.143	7.260	8.052	10.92
7	0.005	0.010	0.025	0.052	0.107	1.701	2.043	2.518	3.257	4.737	6.542	7.203	9.547
8	0.005	0.010	0.025	0.052	0.107	1.657	1.981	2.427	3.113	4.459	6.059	6.637	8.649
9	0.005	0.010	0.025	0.052	0.107	1.624	1.935	2.360	3.006	4.256	5.715	6.234	8.022
10	0.005	0.010	0.025	0.052	0.106	1.598	1.899	2.307	2.924	4.103	5.456	5.934	7.559
11	0.005	0.010	0.025	0.052	0.106	1.577	1.870	2.265	2.860	3.982	5.256	5.701	7.206
12	0.005	0.010	0.025	0.052	0.106	1.560	1.846	2.231	2.807	3.885	5.096	5.516	6.927
13	0.005	0.010	0.025	0.051	0.106	1.545	1.826	2.203	2.763	3.806	4.965	5.366	6.701
14	0.005	0.010	0.025	0.051	0.106	1.533	1.809	2.179	2.726	3.739	4.857	5.241	6.515
15	0.005	0.010	0.025	0.051	0.106	1.523	1.795	2.159	2.695	3.682	4.765	5.135	6.359
16	0.005	0.010	0.025	0.051	0.106	1.514	1.783	2.141	2.668	3.634	4.687	5.046	6.226
17	0.005	0.010	0.025	0.051	0.106	1.506	1.772	2.126	2.645	3.592	4.619	4.968	6.112
18	0.005	0.010	0.025	0.051	0.106	1.499	1.762	2.112	2.624	3.555	4.560	4.900	6.013
19	0.005	0.010	0.025	0.051	0.106	1.493	1.754	2.100	2.606	3.522	4.508	4.840	5.926
20	0.005	0.010	0.025	0.051	0.106	1.487	1.746	2.089	2.589	3.493	4.461	4.788	5.849
21	0.005	0.010	0.025	0.051	0.106	1.482	1.739	2.079	2.575	3.467	4.420	4.740	5.780
22	0.005	0.010	0.025	0.051	0.106	1.477	1.733	2.071	2.561	3.443	4.383	4.698	5.719
23	0.005	0.010	0.025	0.051	0.106	1.473	1.728	2.063	2.549	3.422	4.349	4.660	5.664
24	0.005	0.010	0.025	0.051	0.106	1.470	1.722	2.055	2.538	3.403	4.319	4.625	5.614
25	0.005	0.010	0.025	0.051	0.106	1.466	1.718	2.049	2.528	3.385	4.291	4.593	5.568
26	0.005	0.010	0.025	0.051	0.106	1.463	1.713	2.043	2.519	3.369	4.265	4.564	5.526
27	0.005	0.010	0.025	0.051	0.106	1.460	1.709	2.037	2.511	3.354	4.242	4.538	5.488
28	0.005	0.010	0.025	0.051	0.106	1.457	1.706	2.032	2.503	3.340	4.221	4.513	5.453
29	0.005	0.010	0.025	0.051	0.106	1.455	1.702	2.027	2.495	3.328	4.201	4.491	5.420
30	0.005	0.010	0.025	0.051	0.106	1.452	1.699	2.022	2.489	3.316	4.182	4.470	5.390
35	0.005	0.010	0.025	0.051	0.106	1.443	1.686	2.004	2.461	3.267	4.106	4.384	5.268
40	0.005	0.010	0.025	0.051	0.106	1.435	1.676	1.990	2.440	3.232	4.051	4.321	5.179
45	0.005	0.010	0.025	0.051	0.106	1.430	1.668	1.979	2.425	3.204	4.009	4.273	5.110
50	0.005	0.010	0.025	0.051	0.106	1.425	1.662	1.971	2.412	3.183	3.975	4.235	5.057
55	0.005	0.010	0.025	0.051	0.106	1.422	1.657	1.964	2.402	3.165	3.948	4.204	5.013
60	0.005	0.010	0.025	0.051	0.106	1.419	1.653	1.958	2.393	3.150	3.925	4.179	4.977
65	0.005	0.010	0.025	0.051	0.106	1.416	1.650	1.954	2.386	3.138	3.906	4.157	4.947
70	0.005	0.010	0.025	0.051	0.106	1.414	1.647	1.949	2.380	3.128	3.890	4.139	4.922
75	0.005	0.010	0.025	0.051	0.106	1.412	1.644	1.946	2.375	3.119	3.876	4.123	4.900
80	0.005	0.010	0.025	0.051	0.106	1.411	1.642	1.943	2.370	3.111	3.864	4.110	4.881
85	0.005	0.010	0.025	0.051	0.105	1.409	1.640	1.940	2.366	3.104	3.854	4.098	4.864
90	0.005	0.010	0.025	0.051	0.105	1.408	1.639	1.938	2.363	3.098	3.844	4.087	4.849
95	0.005	0.010	0.025	0.051	0.105	1.407	1.637	1.936	2.359	3.092	3.836	4.078	4.836
100	0.005	0.010	0.025	0.051	0.105	1.406	1.636	1.934	2.356	3.087	3.828	4.069	4.824
200	0.005	0.010	0.025	0.051	0.105	1.396	1.622	1.915	2.329	3.041	3.758	3.990	4.713
500	0.005	0.010	0.025	0.051	0.105	1.390	1.615	1.904	2.313	3.014	3.716	3.943	4.648

DISTRIBUCION F DE SNEDECOR (3)

GRADOS DE LIBERTAD numerador → 3

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.018	0.029	0.057	0.099	0.181	8.200	13.06	23.57	53.59	215.7	864.2	1351	5403
2	0.020	0.032	0.062	0.105	0.183	3.153	4.156	5.826	9.162	19.16	39.16	49.16	99.15
3	0.021	0.034	0.065	0.108	0.186	2.356	2.936	3.821	5.391	9.277	15.44	18.11	29.46
4	0.022	0.035	0.066	0.110	0.187	2.047	2.485	3.124	4.191	6.591	9.979	11.34	16.69
5	0.022	0.035	0.067	0.111	0.188	1.884	2.253	2.776	3.619	5.409	7.764	8.670	12.06
6	0.022	0.036	0.068	0.112	0.189	1.784	2.113	2.570	3.289	4.757	6.599	7.287	9.780
7	0.023	0.036	0.068	0.113	0.190	1.717	2.019	2.433	3.074	4.347	5.890	6.454	8.451
8	0.023	0.036	0.069	0.113	0.190	1.668	1.951	2.337	2.924	4.066	5.416	5.901	7.591
9	0.023	0.037	0.069	0.113	0.191	1.632	1.901	2.264	2.813	3.863	5.078	5.510	6.992
10	0.023	0.037	0.069	0.114	0.191	1.603	1.861	2.209	2.728	3.708	4.826	5.218	6.552
11	0.023	0.037	0.070	0.114	0.191	1.580	1.830	2.164	2.660	3.587	4.630	4.993	6.217
12	0.023	0.037	0.070	0.114	0.192	1.561	1.804	2.128	2.606	3.490	4.474	4.814	5.953
13	0.023	0.037	0.070	0.115	0.192	1.545	1.783	2.098	2.560	3.411	4.347	4.669	5.739
14	0.023	0.037	0.070	0.115	0.192	1.532	1.765	2.072	2.522	3.344	4.242	4.549	5.564
15	0.023	0.037	0.070	0.115	0.192	1.520	1.749	2.050	2.490	3.287	4.153	4.447	5.417
16	0.023	0.037	0.070	0.115	0.192	1.510	1.736	2.032	2.462	3.239	4.077	4.361	5.292
17	0.023	0.037	0.070	0.115	0.193	1.502	1.724	2.015	2.437	3.197	4.011	4.286	5.185
18	0.023	0.037	0.070	0.115	0.193	1.494	1.713	2.001	2.416	3.160	3.954	4.221	5.092
19	0.023	0.037	0.071	0.115	0.193	1.487	1.704	1.988	2.397	3.127	3.903	4.164	5.010
20	0.023	0.037	0.071	0.115	0.193	1.481	1.696	1.976	2.380	3.098	3.859	4.113	4.938
21	0.023	0.038	0.071	0.116	0.193	1.475	1.688	1.966	2.365	3.072	3.819	4.068	4.874
22	0.023	0.038	0.071	0.116	0.193	1.470	1.682	1.957	2.351	3.049	3.783	4.028	4.817
23	0.023	0.038	0.071	0.116	0.193	1.466	1.676	1.948	2.339	3.028	3.750	3.991	4.765
24	0.023	0.038	0.071	0.116	0.193	1.462	1.670	1.941	2.327	3.009	3.721	3.958	4.718
25	0.023	0.038	0.071	0.116	0.193	1.458	1.665	1.933	2.317	2.991	3.694	3.928	4.675
26	0.023	0.038	0.071	0.116	0.193	1.454	1.660	1.927	2.307	2.975	3.670	3.900	4.637
27	0.024	0.038	0.071	0.116	0.193	1.451	1.656	1.921	2.299	2.960	3.647	3.874	4.601
28	0.024	0.038	0.071	0.116	0.193	1.448	1.652	1.915	2.291	2.947	3.626	3.851	4.568
29	0.024	0.038	0.071	0.116	0.193	1.445	1.648	1.910	2.283	2.934	3.607	3.829	4.538
30	0.024	0.038	0.071	0.116	0.193	1.443	1.645	1.905	2.276	2.922	3.589	3.809	4.510
35	0.024	0.038	0.071	0.116	0.194	1.432	1.630	1.886	2.247	2.874	3.517	3.727	4.396
40	0.024	0.038	0.071	0.116	0.194	1.424	1.620	1.871	2.226	2.839	3.463	3.667	4.313
45	0.024	0.038	0.071	0.116	0.194	1.418	1.611	1.860	2.210	2.812	3.422	3.622	4.249
50	0.024	0.038	0.071	0.117	0.194	1.413	1.605	1.851	2.197	2.790	3.390	3.585	4.199
55	0.024	0.038	0.071	0.117	0.194	1.409	1.599	1.844	2.186	2.773	3.364	3.556	4.159
60	0.024	0.038	0.071	0.117	0.194	1.405	1.595	1.837	2.177	2.758	3.343	3.532	4.126
65	0.024	0.038	0.072	0.117	0.194	1.403	1.591	1.832	2.170	2.746	3.324	3.512	4.098
70	0.024	0.038	0.072	0.117	0.194	1.400	1.588	1.828	2.164	2.736	3.309	3.494	4.074
75	0.024	0.038	0.072	0.117	0.194	1.398	1.585	1.824	2.158	2.727	3.296	3.480	4.054
80	0.024	0.038	0.072	0.117	0.194	1.396	1.583	1.821	2.154	2.719	3.284	3.467	4.036
85	0.024	0.038	0.072	0.117	0.194	1.395	1.581	1.818	2.149	2.712	3.274	3.455	4.021
90	0.024	0.038	0.072	0.117	0.194	1.393	1.579	1.815	2.146	2.706	3.265	3.445	4.007
95	0.024	0.038	0.072	0.117	0.194	1.392	1.577	1.813	2.142	2.700	3.257	3.436	3.995
100	0.024	0.038	0.072	0.117	0.194	1.391	1.576	1.811	2.139	2.696	3.250	3.428	3.984
200	0.024	0.038	0.072	0.117	0.195	1.380	1.561	1.792	2.111	2.650	3.182	3.353	3.881
500	0.024	0.038	0.072	0.117	0.195	1.374	1.553	1.780	2.095	2.623	3.142	3.308	3.821

DISTRIBUCION F DE SNEDECOR (4)

GRADOS DE LIBERTAD numerador → 4

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.032	0.047	0.082	0.130	0.220	8.581	13.64	24.58	55.83	224.6	899.6	1406	5625
2	0.038	0.056	0.094	0.144	0.231	3.232	4.236	5.906	9.243	19.25	39.25	49.24	99.23
3	0.041	0.060	0.100	0.152	0.239	2.390	2.956	3.817	5.343	9.117	15.10	17.69	28.71
4	0.043	0.063	0.104	0.157	0.243	2.064	2.483	3.092	4.107	6.388	9.605	10.90	15.98
5	0.045	0.064	0.107	0.160	0.247	1.893	2.240	2.731	3.520	5.192	7.388	8.233	11.39
6	0.046	0.066	0.109	0.162	0.249	1.787	2.092	2.516	3.181	4.534	6.227	6.859	9.148
7	0.046	0.067	0.110	0.164	0.251	1.716	1.994	2.375	2.961	4.120	5.523	6.035	7.847
8	0.047	0.068	0.111	0.166	0.253	1.664	1.923	2.274	2.806	3.838	5.053	5.489	7.006
9	0.047	0.068	0.112	0.167	0.254	1.625	1.870	2.199	2.693	3.633	4.718	5.103	6.422
10	0.048	0.069	0.113	0.168	0.255	1.595	1.829	2.141	2.605	3.478	4.468	4.816	5.994
11	0.048	0.069	0.114	0.168	0.256	1.570	1.796	2.095	2.536	3.357	4.275	4.594	5.668
12	0.048	0.070	0.114	0.169	0.257	1.550	1.768	2.057	2.480	3.259	4.121	4.419	5.412
13	0.049	0.070	0.115	0.170	0.257	1.534	1.746	2.025	2.434	3.179	3.996	4.276	5.205
14	0.049	0.070	0.115	0.170	0.258	1.519	1.727	1.999	2.395	3.112	3.892	4.158	5.035
15	0.049	0.070	0.116	0.171	0.258	1.507	1.710	1.976	2.361	3.056	3.804	4.058	4.893
16	0.049	0.071	0.116	0.171	0.259	1.497	1.696	1.957	2.333	3.007	3.729	3.974	4.773
17	0.049	0.071	0.116	0.171	0.259	1.487	1.684	1.940	2.308	2.965	3.665	3.901	4.669
18	0.049	0.071	0.116	0.172	0.260	1.479	1.673	1.925	2.286	2.928	3.608	3.837	4.579
19	0.049	0.071	0.117	0.172	0.260	1.472	1.663	1.911	2.266	2.895	3.559	3.781	4.500
20	0.050	0.071	0.117	0.172	0.260	1.465	1.654	1.899	2.249	2.866	3.515	3.731	4.431
21	0.050	0.071	0.117	0.173	0.260	1.459	1.646	1.888	2.233	2.840	3.475	3.687	4.369
22	0.050	0.072	0.117	0.173	0.261	1.454	1.639	1.879	2.219	2.817	3.440	3.647	4.313
23	0.050	0.072	0.117	0.173	0.261	1.449	1.633	1.870	2.207	2.796	3.408	3.611	4.264
24	0.050	0.072	0.117	0.173	0.261	1.445	1.627	1.862	2.195	2.776	3.379	3.579	4.218
25	0.050	0.072	0.118	0.173	0.261	1.441	1.622	1.854	2.184	2.759	3.353	3.549	4.177
26	0.050	0.072	0.118	0.174	0.261	1.437	1.617	1.848	2.174	2.743	3.329	3.522	4.140
27	0.050	0.072	0.118	0.174	0.262	1.433	1.612	1.841	2.165	2.728	3.307	3.498	4.106
28	0.050	0.072	0.118	0.174	0.262	1.430	1.608	1.836	2.157	2.714	3.286	3.475	4.074
29	0.050	0.072	0.118	0.174	0.262	1.427	1.604	1.830	2.149	2.701	3.267	3.453	4.045
30	0.050	0.072	0.118	0.174	0.262	1.424	1.600	1.825	2.142	2.690	3.250	3.434	4.018
35	0.050	0.073	0.119	0.175	0.262	1.413	1.585	1.805	2.113	2.641	3.179	3.354	3.908
40	0.051	0.073	0.119	0.175	0.263	1.404	1.574	1.789	2.091	2.606	3.126	3.295	3.828
45	0.051	0.073	0.119	0.175	0.263	1.398	1.565	1.778	2.074	2.579	3.086	3.251	3.767
50	0.051	0.073	0.119	0.175	0.263	1.393	1.558	1.768	2.061	2.557	3.054	3.215	3.720
55	0.051	0.073	0.119	0.176	0.264	1.388	1.552	1.761	2.050	2.540	3.029	3.187	3.681
60	0.051	0.073	0.120	0.176	0.264	1.385	1.548	1.754	2.041	2.525	3.008	3.163	3.649
65	0.051	0.073	0.120	0.176	0.264	1.382	1.544	1.749	2.033	2.513	2.990	3.144	3.622
70	0.051	0.073	0.120	0.176	0.264	1.379	1.540	1.744	2.027	2.503	2.975	3.127	3.600
75	0.051	0.073	0.120	0.176	0.264	1.377	1.538	1.740	2.021	2.494	2.962	3.112	3.580
80	0.051	0.074	0.120	0.176	0.264	1.375	1.535	1.737	2.016	2.486	2.950	3.100	3.563
85	0.051	0.074	0.120	0.176	0.264	1.373	1.533	1.734	2.012	2.479	2.940	3.088	3.548
90	0.051	0.074	0.120	0.176	0.265	1.372	1.531	1.731	2.008	2.473	2.932	3.079	3.535
95	0.051	0.074	0.120	0.176	0.265	1.371	1.529	1.729	2.005	2.467	2.924	3.070	3.523
100	0.051	0.074	0.120	0.177	0.265	1.369	1.527	1.727	2.002	2.463	2.917	3.062	3.513
200	0.052	0.074	0.121	0.177	0.265	1.358	1.512	1.706	1.973	2.417	2.850	2.988	3.414
500	0.052	0.074	0.121	0.177	0.266	1.351	1.503	1.694	1.956	2.390	2.811	2.945	3.357

DISTRIBUCION F DE SNEDECOR (5)

GRADOS DE LIBERTAD numerador → 5

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.044	0.062	0.100	0.151	0.246	8.820	14.01	25.22	57.24	230.2	921.8	1441	5764
2	0.055	0.075	0.119	0.173	0.265	3.280	4.284	5.955	9.292	19.30	39.30	49.29	99.28
3	0.060	0.083	0.129	0.185	0.276	2.409	2.965	3.811	5.309	9.013	14.88	17.43	28.24
4	0.064	0.088	0.135	0.193	0.284	2.072	2.478	3.068	4.051	6.256	9.364	10.62	15.52
5	0.067	0.091	0.140	0.198	0.290	1.895	2.228	2.698	3.453	5.050	7.146	7.953	10.97
6	0.069	0.094	0.143	0.202	0.294	1.785	2.076	2.478	3.108	4.387	5.988	6.585	8.746
7	0.070	0.096	0.146	0.205	0.297	1.711	1.974	2.332	2.883	3.972	5.285	5.765	7.460
8	0.072	0.097	0.148	0.208	0.299	1.658	1.900	2.229	2.726	3.687	4.817	5.223	6.632
9	0.073	0.098	0.150	0.210	0.302	1.617	1.846	2.152	2.611	3.482	4.484	4.840	6.057
10	0.073	0.099	0.151	0.211	0.303	1.585	1.803	2.092	2.522	3.326	4.236	4.555	5.636
11	0.074	0.100	0.152	0.213	0.305	1.560	1.768	2.045	2.451	3.204	4.044	4.336	5.316
12	0.075	0.101	0.153	0.214	0.306	1.539	1.740	2.006	2.394	3.106	3.891	4.162	5.064
13	0.075	0.102	0.154	0.215	0.307	1.521	1.717	1.973	2.347	3.025	3.767	4.020	4.862
14	0.076	0.102	0.155	0.216	0.308	1.507	1.697	1.946	2.307	2.958	3.663	3.904	4.695
15	0.076	0.103	0.156	0.217	0.309	1.494	1.680	1.923	2.273	2.901	3.576	3.805	4.556
16	0.076	0.103	0.156	0.217	0.310	1.483	1.665	1.903	2.244	2.852	3.502	3.721	4.437
17	0.077	0.104	0.157	0.218	0.310	1.473	1.652	1.885	2.218	2.810	3.438	3.649	4.336
18	0.077	0.104	0.157	0.218	0.311	1.464	1.641	1.869	2.196	2.773	3.382	3.586	4.248
19	0.077	0.104	0.158	0.219	0.311	1.457	1.631	1.856	2.176	2.740	3.333	3.531	4.171
20	0.077	0.105	0.158	0.219	0.312	1.450	1.622	1.843	2.158	2.711	3.289	3.482	4.103
21	0.078	0.105	0.158	0.220	0.312	1.444	1.614	1.832	2.142	2.685	3.250	3.438	4.042
22	0.078	0.105	0.159	0.220	0.313	1.438	1.606	1.822	2.128	2.661	3.215	3.399	3.988
23	0.078	0.105	0.159	0.221	0.313	1.433	1.599	1.813	2.115	2.640	3.183	3.363	3.939
24	0.078	0.106	0.159	0.221	0.313	1.428	1.593	1.805	2.103	2.621	3.155	3.331	3.895
25	0.078	0.106	0.160	0.221	0.314	1.424	1.588	1.797	2.092	2.603	3.129	3.302	3.855
26	0.079	0.106	0.160	0.221	0.314	1.420	1.583	1.790	2.082	2.587	3.105	3.275	3.818
27	0.079	0.106	0.160	0.222	0.314	1.417	1.578	1.784	2.073	2.572	3.083	3.251	3.785
28	0.079	0.106	0.160	0.222	0.315	1.413	1.573	1.778	2.064	2.558	3.063	3.228	3.754
29	0.079	0.106	0.160	0.222	0.315	1.410	1.569	1.772	2.057	2.545	3.044	3.207	3.725
30	0.079	0.107	0.161	0.222	0.315	1.407	1.565	1.767	2.049	2.534	3.026	3.188	3.699
35	0.079	0.107	0.161	0.223	0.316	1.395	1.550	1.746	2.019	2.485	2.956	3.109	3.592
40	0.080	0.108	0.162	0.224	0.317	1.386	1.538	1.730	1.997	2.449	2.904	3.051	3.514
45	0.080	0.108	0.162	0.225	0.317	1.379	1.529	1.718	1.980	2.422	2.864	3.007	3.454
50	0.080	0.108	0.163	0.225	0.318	1.374	1.522	1.708	1.966	2.400	2.833	2.972	3.408
55	0.080	0.108	0.163	0.225	0.318	1.369	1.516	1.700	1.955	2.383	2.807	2.944	3.370
60	0.081	0.109	0.163	0.226	0.318	1.366	1.511	1.694	1.946	2.368	2.786	2.921	3.339
65	0.081	0.109	0.164	0.226	0.319	1.363	1.507	1.688	1.938	2.356	2.769	2.901	3.313
70	0.081	0.109	0.164	0.226	0.319	1.360	1.503	1.683	1.931	2.346	2.754	2.885	3.291
75	0.081	0.109	0.164	0.226	0.319	1.357	1.500	1.679	1.926	2.337	2.741	2.870	3.272
80	0.081	0.109	0.164	0.227	0.319	1.355	1.497	1.676	1.921	2.329	2.730	2.858	3.255
85	0.081	0.109	0.164	0.227	0.319	1.354	1.495	1.673	1.916	2.322	2.720	2.847	3.240
90	0.081	0.109	0.164	0.227	0.320	1.352	1.493	1.670	1.912	2.316	2.711	2.837	3.228
95	0.081	0.109	0.164	0.227	0.320	1.351	1.491	1.667	1.909	2.310	2.703	2.828	3.216
100	0.081	0.110	0.164	0.227	0.320	1.349	1.489	1.665	1.906	2.305	2.696	2.821	3.206
200	0.082	0.110	0.165	0.228	0.321	1.337	1.474	1.644	1.876	2.259	2.630	2.748	3.110
500	0.082	0.111	0.166	0.229	0.322	1.330	1.464	1.631	1.859	2.232	2.592	2.706	3.054

DISTRIBUCION F DE SNEDECOR (6)

GRADOS DE LIBERTAD numerador → 6

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.054	0.073	0.113	0.167	0.265	8.983	14.26	25.65	58.20	234.0	937.1	1464	5859
2	0.069	0.092	0.138	0.194	0.289	3.312	4.317	5.988	9.325	19.33	39.33	49.33	99.32
3	0.077	0.102	0.152	0.210	0.304	2.422	2.971	3.806	5.285	8.941	14.73	17.25	27.91
4	0.083	0.109	0.161	0.221	0.314	2.077	2.473	3.050	4.010	6.163	9.197	10.42	15.21
5	0.087	0.114	0.167	0.228	0.322	1.894	2.217	2.673	3.405	4.950	6.978	7.758	10.67
6	0.090	0.118	0.172	0.233	0.327	1.782	2.062	2.449	3.055	4.284	5.820	6.393	8.466
7	0.093	0.121	0.176	0.238	0.332	1.706	1.957	2.301	2.827	3.866	5.119	5.576	7.191
8	0.095	0.123	0.179	0.241	0.335	1.651	1.883	2.195	2.668	3.581	4.652	5.036	6.371
9	0.096	0.125	0.181	0.244	0.338	1.609	1.826	2.117	2.551	3.374	4.320	4.654	5.802
10	0.098	0.127	0.183	0.246	0.340	1.576	1.782	2.056	2.461	3.217	4.072	4.371	5.386
11	0.099	0.128	0.185	0.248	0.343	1.550	1.747	2.007	2.389	3.095	3.881	4.153	5.069
12	0.100	0.130	0.186	0.250	0.344	1.529	1.718	1.967	2.331	2.996	3.728	3.980	4.821
13	0.101	0.131	0.188	0.251	0.346	1.511	1.694	1.934	2.283	2.915	3.604	3.840	4.620
14	0.101	0.131	0.189	0.253	0.347	1.495	1.674	1.906	2.243	2.848	3.501	3.724	4.456
15	0.102	0.132	0.190	0.254	0.348	1.482	1.656	1.882	2.208	2.790	3.415	3.626	4.318
16	0.102	0.133	0.191	0.255	0.349	1.471	1.641	1.862	2.178	2.741	3.341	3.543	4.202
17	0.103	0.134	0.192	0.256	0.350	1.460	1.628	1.844	2.152	2.699	3.277	3.471	4.102
18	0.103	0.134	0.192	0.257	0.351	1.452	1.616	1.828	2.130	2.661	3.221	3.408	4.015
19	0.104	0.135	0.193	0.257	0.352	1.444	1.605	1.814	2.109	2.628	3.172	3.353	3.939
20	0.104	0.135	0.193	0.258	0.353	1.437	1.596	1.801	2.091	2.599	3.128	3.304	3.871
21	0.105	0.136	0.194	0.259	0.353	1.430	1.588	1.790	2.075	2.573	3.090	3.261	3.812
22	0.105	0.136	0.195	0.259	0.354	1.424	1.580	1.779	2.060	2.549	3.055	3.222	3.758
23	0.105	0.136	0.195	0.260	0.354	1.419	1.573	1.770	2.047	2.528	3.023	3.187	3.710
24	0.106	0.137	0.195	0.260	0.355	1.414	1.567	1.761	2.035	2.508	2.995	3.155	3.667
25	0.106	0.137	0.196	0.261	0.355	1.410	1.561	1.754	2.024	2.490	2.969	3.126	3.627
26	0.106	0.137	0.196	0.261	0.356	1.406	1.556	1.746	2.014	2.474	2.945	3.099	3.591
27	0.106	0.138	0.197	0.262	0.356	1.402	1.551	1.740	2.005	2.459	2.923	3.075	3.558
28	0.106	0.138	0.197	0.262	0.356	1.399	1.546	1.734	1.996	2.445	2.903	3.052	3.528
29	0.107	0.138	0.197	0.262	0.357	1.395	1.542	1.728	1.988	2.432	2.884	3.032	3.499
30	0.107	0.138	0.197	0.263	0.357	1.392	1.538	1.723	1.980	2.421	2.867	3.012	3.473
35	0.108	0.139	0.199	0.264	0.359	1.380	1.521	1.701	1.950	2.372	2.796	2.934	3.368
40	0.108	0.140	0.200	0.265	0.360	1.371	1.509	1.684	1.927	2.336	2.744	2.877	3.291
45	0.109	0.141	0.200	0.266	0.360	1.363	1.500	1.672	1.909	2.308	2.705	2.833	3.232
50	0.109	0.141	0.201	0.266	0.361	1.358	1.492	1.662	1.895	2.286	2.674	2.798	3.186
55	0.109	0.141	0.201	0.267	0.362	1.353	1.486	1.654	1.884	2.269	2.648	2.770	3.149
60	0.110	0.142	0.202	0.267	0.362	1.349	1.481	1.647	1.875	2.254	2.627	2.747	3.119
65	0.110	0.142	0.202	0.268	0.362	1.346	1.477	1.641	1.867	2.242	2.610	2.728	3.093
70	0.110	0.142	0.202	0.268	0.363	1.343	1.473	1.637	1.860	2.231	2.595	2.711	3.071
75	0.110	0.142	0.203	0.268	0.363	1.341	1.470	1.632	1.854	2.222	2.582	2.697	3.052
80	0.110	0.143	0.203	0.269	0.363	1.338	1.467	1.629	1.849	2.214	2.571	2.685	3.036
85	0.110	0.143	0.203	0.269	0.364	1.337	1.465	1.625	1.845	2.207	2.561	2.674	3.022
90	0.111	0.143	0.203	0.269	0.364	1.335	1.463	1.623	1.841	2.201	2.552	2.664	3.009
95	0.111	0.143	0.203	0.269	0.364	1.333	1.461	1.620	1.837	2.196	2.544	2.655	2.998
100	0.111	0.143	0.203	0.269	0.364	1.332	1.459	1.618	1.834	2.191	2.537	2.648	2.988
200	0.112	0.144	0.205	0.271	0.366	1.319	1.443	1.596	1.804	2.144	2.472	2.576	2.893
500	0.112	0.145	0.206	0.272	0.367	1.312	1.433	1.583	1.786	2.117	2.434	2.533	2.838

DISTRIBUCION F DE SNEDECOR (7)

GRADOS DE LIBERTAD numerador → 7
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.062	0.082	0.124	0.179	0.279	9.102	14.44	25.97	58.91	236.8	948.2	1482	5928
2	0.081	0.105	0.153	0.211	0.307	3.335	4.340	6.011	9.349	19.35	39.35	49.35	99.34
3	0.092	0.118	0.170	0.230	0.325	2.430	2.974	3.801	5.266	8.887	14.62	17.11	27.67
4	0.099	0.127	0.181	0.243	0.338	2.079	2.469	3.036	3.979	6.094	9.074	10.27	14.98
5	0.105	0.134	0.189	0.252	0.347	1.894	2.209	2.654	3.368	4.876	6.853	7.614	10.46
6	0.109	0.139	0.195	0.259	0.354	1.779	2.051	2.427	3.014	4.207	5.695	6.251	8.260
7	0.113	0.143	0.200	0.264	0.359	1.701	1.945	2.276	2.785	3.787	4.995	5.435	6.993
8	0.115	0.146	0.204	0.268	0.363	1.645	1.868	2.169	2.624	3.500	4.529	4.897	6.178
9	0.117	0.149	0.207	0.272	0.367	1.602	1.811	2.089	2.505	3.293	4.197	4.517	5.613
10	0.119	0.151	0.210	0.275	0.370	1.569	1.766	2.027	2.414	3.135	3.950	4.235	5.200
11	0.121	0.153	0.212	0.278	0.373	1.542	1.730	1.978	2.342	3.012	3.759	4.017	4.886
12	0.122	0.155	0.214	0.280	0.375	1.520	1.700	1.937	2.283	2.913	3.607	3.845	4.640
13	0.124	0.156	0.216	0.282	0.377	1.501	1.676	1.904	2.234	2.832	3.483	3.705	4.441
14	0.125	0.157	0.218	0.283	0.378	1.485	1.655	1.875	2.193	2.764	3.380	3.589	4.278
15	0.126	0.158	0.219	0.285	0.380	1.472	1.637	1.851	2.158	2.707	3.293	3.492	4.142
16	0.126	0.159	0.220	0.286	0.381	1.460	1.621	1.830	2.128	2.657	3.219	3.409	4.026
17	0.127	0.160	0.221	0.287	0.382	1.450	1.608	1.811	2.102	2.614	3.156	3.337	3.927
18	0.128	0.161	0.222	0.288	0.384	1.441	1.596	1.795	2.079	2.577	3.100	3.275	3.841
19	0.128	0.162	0.223	0.289	0.385	1.432	1.585	1.781	2.058	2.544	3.051	3.220	3.765
20	0.129	0.162	0.224	0.290	0.385	1.425	1.575	1.768	2.040	2.514	3.007	3.171	3.699
21	0.129	0.163	0.225	0.291	0.386	1.419	1.567	1.756	2.023	2.488	2.969	3.128	3.640
22	0.130	0.164	0.225	0.292	0.387	1.413	1.559	1.746	2.008	2.464	2.934	3.089	3.587
23	0.130	0.164	0.226	0.293	0.388	1.407	1.552	1.736	1.995	2.442	2.902	3.054	3.539
24	0.131	0.165	0.227	0.293	0.388	1.402	1.545	1.727	1.983	2.423	2.874	3.022	3.496
25	0.131	0.165	0.227	0.294	0.389	1.398	1.539	1.719	1.971	2.405	2.848	2.993	3.457
26	0.132	0.165	0.228	0.294	0.389	1.393	1.534	1.712	1.961	2.388	2.824	2.967	3.421
27	0.132	0.166	0.228	0.295	0.390	1.390	1.529	1.705	1.952	2.373	2.802	2.943	3.388
28	0.132	0.166	0.228	0.295	0.390	1.386	1.524	1.699	1.943	2.359	2.782	2.920	3.358
29	0.132	0.167	0.229	0.296	0.391	1.383	1.519	1.693	1.935	2.346	2.763	2.899	3.330
30	0.133	0.167	0.229	0.296	0.391	1.380	1.515	1.688	1.927	2.334	2.746	2.880	3.304
35	0.134	0.168	0.231	0.298	0.393	1.367	1.499	1.665	1.896	2.285	2.676	2.802	3.200
40	0.135	0.169	0.232	0.299	0.394	1.357	1.486	1.649	1.873	2.249	2.624	2.745	3.124
45	0.135	0.170	0.233	0.300	0.396	1.350	1.476	1.636	1.855	2.221	2.584	2.701	3.066
50	0.136	0.171	0.234	0.301	0.396	1.344	1.469	1.625	1.840	2.199	2.553	2.667	3.020
55	0.136	0.171	0.235	0.302	0.397	1.339	1.462	1.617	1.829	2.181	2.528	2.639	2.983
60	0.137	0.172	0.235	0.303	0.398	1.335	1.457	1.610	1.819	2.167	2.507	2.616	2.953
65	0.137	0.172	0.236	0.303	0.398	1.331	1.453	1.604	1.811	2.154	2.489	2.596	2.928
70	0.137	0.172	0.236	0.304	0.399	1.329	1.449	1.599	1.804	2.143	2.474	2.580	2.906
75	0.138	0.173	0.236	0.304	0.399	1.326	1.446	1.595	1.798	2.134	2.461	2.566	2.887
80	0.138	0.173	0.237	0.304	0.399	1.324	1.443	1.591	1.793	2.126	2.450	2.553	2.871
85	0.138	0.173	0.237	0.305	0.400	1.322	1.440	1.588	1.789	2.119	2.440	2.542	2.857
90	0.138	0.173	0.237	0.305	0.400	1.320	1.438	1.585	1.785	2.113	2.432	2.533	2.845
95	0.138	0.174	0.237	0.305	0.400	1.319	1.436	1.582	1.781	2.108	2.424	2.524	2.833
100	0.139	0.174	0.238	0.305	0.400	1.317	1.434	1.580	1.778	2.103	2.417	2.517	2.823
200	0.140	0.175	0.239	0.307	0.403	1.304	1.417	1.558	1.747	2.056	2.351	2.445	2.730
500	0.141	0.176	0.241	0.309	0.404	1.296	1.407	1.544	1.729	2.028	2.313	2.402	2.675

DISTRIBUCION F DE SNEDECOR (8)

GRADOS DE LIBERTAD numerador → 8

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.068	0.089	0.132	0.188	0.289	9.192	14.58	26.21	59.44	238.9	956.7	1495	5981
2	0.091	0.116	0.165	0.224	0.321	3.353	4.358	6.029	9.367	19.37	39.37	49.37	99.36
3	0.104	0.132	0.185	0.246	0.342	2.436	2.976	3.798	5.252	8.845	14.54	17.01	27.49
4	0.114	0.143	0.198	0.261	0.356	2.080	2.465	3.024	3.955	6.041	8.980	10.16	14.80
5	0.120	0.151	0.208	0.271	0.367	1.892	2.202	2.639	3.339	4.818	6.757	7.503	10.29
6	0.126	0.157	0.215	0.279	0.375	1.776	2.042	2.409	2.983	4.147	5.600	6.141	8.102
7	0.130	0.162	0.221	0.286	0.381	1.697	1.934	2.257	2.752	3.726	4.899	5.327	6.840
8	0.133	0.166	0.226	0.291	0.386	1.640	1.856	2.149	2.589	3.438	4.433	4.790	6.029
9	0.136	0.169	0.230	0.295	0.390	1.596	1.798	2.068	2.469	3.230	4.102	4.410	5.467
10	0.139	0.172	0.233	0.299	0.394	1.562	1.752	2.005	2.377	3.072	3.855	4.129	5.057
11	0.141	0.174	0.236	0.302	0.397	1.535	1.716	1.954	2.304	2.948	3.664	3.912	4.744
12	0.143	0.176	0.238	0.305	0.400	1.512	1.686	1.913	2.245	2.849	3.512	3.740	4.499
13	0.144	0.178	0.240	0.307	0.402	1.493	1.661	1.879	2.195	2.767	3.388	3.600	4.302
14	0.146	0.180	0.242	0.309	0.404	1.477	1.639	1.850	2.154	2.699	3.285	3.485	4.140
15	0.147	0.181	0.244	0.311	0.406	1.463	1.621	1.825	2.119	2.641	3.199	3.387	4.004
16	0.148	0.183	0.245	0.312	0.407	1.451	1.605	1.804	2.088	2.591	3.125	3.304	3.890
17	0.149	0.184	0.247	0.314	0.409	1.441	1.591	1.785	2.061	2.548	3.061	3.233	3.791
18	0.150	0.185	0.248	0.315	0.410	1.431	1.579	1.769	2.038	2.510	3.005	3.171	3.705
19	0.151	0.186	0.249	0.316	0.411	1.423	1.568	1.754	2.017	2.477	2.956	3.116	3.631
20	0.151	0.187	0.250	0.317	0.412	1.415	1.558	1.741	1.999	2.447	2.913	3.067	3.564
21	0.152	0.187	0.251	0.318	0.413	1.409	1.549	1.729	1.982	2.420	2.874	3.024	3.506
22	0.153	0.188	0.252	0.319	0.414	1.402	1.541	1.718	1.967	2.397	2.839	2.985	3.453
23	0.153	0.189	0.253	0.320	0.415	1.397	1.534	1.708	1.953	2.375	2.808	2.950	3.406
24	0.154	0.189	0.253	0.321	0.416	1.392	1.527	1.700	1.941	2.355	2.779	2.919	3.363
25	0.154	0.190	0.254	0.322	0.417	1.387	1.521	1.691	1.929	2.337	2.753	2.890	3.324
26	0.155	0.191	0.255	0.322	0.417	1.383	1.516	1.684	1.919	2.321	2.729	2.863	3.288
27	0.155	0.191	0.255	0.323	0.418	1.379	1.510	1.677	1.909	2.305	2.707	2.839	3.256
28	0.156	0.192	0.256	0.324	0.419	1.375	1.505	1.671	1.900	2.291	2.687	2.817	3.226
29	0.156	0.192	0.256	0.324	0.419	1.372	1.501	1.665	1.892	2.278	2.669	2.796	3.198
30	0.156	0.192	0.257	0.325	0.420	1.369	1.497	1.659	1.884	2.266	2.651	2.777	3.173
35	0.158	0.194	0.259	0.327	0.422	1.355	1.480	1.636	1.852	2.217	2.581	2.699	3.069
40	0.159	0.195	0.260	0.329	0.423	1.345	1.467	1.619	1.829	2.180	2.529	2.641	2.993
45	0.160	0.197	0.262	0.330	0.425	1.338	1.457	1.606	1.811	2.152	2.489	2.598	2.935
50	0.161	0.197	0.263	0.331	0.426	1.332	1.449	1.596	1.796	2.130	2.458	2.563	2.890
55	0.161	0.198	0.264	0.332	0.427	1.327	1.443	1.587	1.785	2.112	2.433	2.535	2.853
60	0.162	0.199	0.264	0.333	0.428	1.323	1.437	1.580	1.775	2.097	2.412	2.512	2.823
65	0.162	0.199	0.265	0.333	0.428	1.319	1.433	1.574	1.767	2.084	2.394	2.493	2.798
70	0.163	0.200	0.265	0.334	0.429	1.316	1.429	1.569	1.760	2.074	2.379	2.476	2.777
75	0.163	0.200	0.266	0.334	0.429	1.313	1.425	1.564	1.754	2.064	2.366	2.462	2.758
80	0.163	0.200	0.266	0.335	0.430	1.311	1.422	1.561	1.748	2.056	2.355	2.450	2.742
85	0.164	0.201	0.267	0.335	0.430	1.309	1.420	1.557	1.744	2.049	2.345	2.439	2.728
90	0.164	0.201	0.267	0.336	0.430	1.307	1.418	1.554	1.739	2.043	2.336	2.429	2.715
95	0.164	0.201	0.267	0.336	0.431	1.306	1.415	1.552	1.736	2.037	2.328	2.421	2.704
100	0.164	0.201	0.267	0.336	0.431	1.304	1.414	1.549	1.732	2.032	2.321	2.413	2.694
200	0.166	0.204	0.270	0.339	0.433	1.291	1.396	1.526	1.701	1.985	2.256	2.341	2.601
500	0.167	0.205	0.271	0.340	0.435	1.283	1.386	1.512	1.683	1.957	2.217	2.299	2.547

DISTRIBUCION F DE SNEDECOR (9)

GRADOS DE LIBERTAD numerador → 9
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.073	0.095	0.139	0.195	0.298	9.263	14.68	26.40	59.86	240.5	963.3	1505	6022
2	0.099	0.125	0.175	0.235	0.333	3.366	4.371	6.043	9.380	19.38	39.38	49.38	99.37
3	0.115	0.143	0.197	0.259	0.356	2.441	2.978	3.794	5.240	8.812	14.47	16.93	27.35
4	0.126	0.156	0.212	0.275	0.371	2.081	2.462	3.015	3.936	5.999	8.905	10.07	14.66
5	0.134	0.165	0.223	0.287	0.383	1.891	2.196	2.627	3.316	4.772	6.681	7.415	10.16
6	0.140	0.172	0.231	0.296	0.392	1.773	2.034	2.395	2.958	4.099	5.523	6.055	7.976
7	0.145	0.178	0.238	0.304	0.399	1.693	1.925	2.241	2.725	3.677	4.823	5.241	6.719
8	0.149	0.183	0.244	0.310	0.405	1.635	1.847	2.132	2.561	3.388	4.357	4.705	5.911
9	0.153	0.187	0.248	0.315	0.410	1.591	1.787	2.050	2.440	3.179	4.026	4.325	5.351
10	0.156	0.190	0.252	0.319	0.414	1.556	1.741	1.986	2.347	3.020	3.779	4.044	4.942
11	0.158	0.193	0.256	0.322	0.417	1.528	1.704	1.935	2.274	2.896	3.588	3.828	4.632
12	0.161	0.196	0.259	0.325	0.420	1.505	1.673	1.894	2.214	2.796	3.436	3.656	4.388
13	0.163	0.198	0.261	0.328	0.423	1.486	1.648	1.859	2.164	2.714	3.312	3.516	4.191
14	0.164	0.200	0.263	0.331	0.425	1.470	1.626	1.830	2.122	2.646	3.209	3.401	4.030
15	0.166	0.202	0.265	0.333	0.427	1.456	1.608	1.804	2.086	2.588	3.123	3.303	3.895
16	0.167	0.203	0.267	0.335	0.429	1.443	1.591	1.783	2.055	2.538	3.049	3.221	3.780
17	0.168	0.204	0.269	0.336	0.431	1.433	1.577	1.764	2.028	2.494	2.985	3.149	3.682
18	0.170	0.206	0.270	0.338	0.432	1.423	1.565	1.747	2.005	2.456	2.929	3.087	3.597
19	0.171	0.207	0.271	0.339	0.434	1.414	1.554	1.732	1.984	2.423	2.880	3.032	3.523
20	0.171	0.208	0.273	0.341	0.435	1.407	1.544	1.718	1.965	2.393	2.837	2.984	3.457
21	0.172	0.209	0.274	0.342	0.436	1.400	1.535	1.706	1.948	2.366	2.798	2.940	3.398
22	0.173	0.210	0.275	0.343	0.437	1.394	1.526	1.696	1.933	2.342	2.763	2.902	3.346
23	0.174	0.211	0.276	0.344	0.438	1.388	1.519	1.686	1.919	2.320	2.731	2.867	3.299
24	0.175	0.211	0.277	0.345	0.439	1.383	1.512	1.677	1.906	2.300	2.703	2.835	3.256
25	0.175	0.212	0.278	0.346	0.440	1.378	1.506	1.668	1.895	2.282	2.677	2.806	3.217
26	0.176	0.213	0.278	0.346	0.441	1.374	1.500	1.661	1.884	2.265	2.653	2.780	3.182
27	0.176	0.213	0.279	0.347	0.442	1.370	1.495	1.654	1.874	2.250	2.631	2.755	3.149
28	0.177	0.214	0.280	0.348	0.442	1.366	1.490	1.647	1.865	2.236	2.611	2.733	3.120
29	0.177	0.215	0.280	0.349	0.443	1.362	1.485	1.641	1.857	2.223	2.592	2.712	3.092
30	0.178	0.215	0.281	0.349	0.444	1.359	1.481	1.635	1.849	2.211	2.575	2.693	3.067
35	0.180	0.217	0.283	0.352	0.446	1.345	1.464	1.612	1.817	2.161	2.504	2.615	2.963
40	0.181	0.219	0.285	0.354	0.448	1.335	1.451	1.595	1.793	2.124	2.452	2.558	2.888
45	0.182	0.220	0.287	0.355	0.450	1.328	1.440	1.581	1.774	2.096	2.412	2.514	2.830
50	0.183	0.221	0.288	0.357	0.451	1.321	1.432	1.571	1.760	2.073	2.381	2.479	2.785
55	0.184	0.222	0.289	0.358	0.452	1.316	1.426	1.562	1.748	2.055	2.355	2.451	2.748
60	0.185	0.223	0.290	0.359	0.453	1.312	1.420	1.555	1.738	2.040	2.334	2.428	2.718
65	0.185	0.224	0.291	0.360	0.454	1.308	1.416	1.549	1.730	2.027	2.317	2.409	2.693
70	0.186	0.224	0.291	0.360	0.454	1.305	1.412	1.543	1.723	2.017	2.302	2.392	2.672
75	0.186	0.225	0.292	0.361	0.455	1.303	1.408	1.539	1.716	2.007	2.289	2.378	2.653
80	0.187	0.225	0.292	0.361	0.455	1.300	1.405	1.535	1.711	1.999	2.277	2.366	2.637
85	0.187	0.226	0.293	0.362	0.456	1.298	1.402	1.532	1.706	1.992	2.268	2.355	2.623
90	0.187	0.226	0.293	0.362	0.456	1.296	1.400	1.528	1.702	1.986	2.259	2.345	2.611
95	0.188	0.226	0.294	0.363	0.456	1.295	1.398	1.526	1.698	1.980	2.251	2.337	2.600
100	0.188	0.227	0.294	0.363	0.457	1.293	1.396	1.523	1.695	1.975	2.244	2.329	2.590
200	0.190	0.229	0.297	0.366	0.460	1.279	1.378	1.500	1.663	1.927	2.178	2.257	2.497
500	0.192	0.231	0.299	0.368	0.462	1.271	1.367	1.486	1.644	1.899	2.139	2.214	2.443

DISTRIBUCION F DE SNEDECOR (10)

GRADOS DE LIBERTAD numerador → 10
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.078	0.100	0.144	0.201	0.304	9.320	14.77	26.55	60.19	241.9	968.6	1514	6056
2	0.106	0.132	0.183	0.244	0.342	3.377	4.382	6.054	9.391	19.40	39.40	49.39	99.38
3	0.124	0.153	0.207	0.270	0.367	2.445	2.979	3.792	5.230	8.786	14.42	16.86	27.23
4	0.136	0.167	0.224	0.288	0.384	2.082	2.460	3.008	3.920	5.964	8.844	10.00	14.55
5	0.146	0.177	0.236	0.301	0.397	1.890	2.191	2.617	3.297	4.735	6.619	7.344	10.05
6	0.153	0.186	0.246	0.311	0.406	1.771	2.028	2.383	2.937	4.060	5.461	5.984	7.874
7	0.159	0.192	0.253	0.319	0.414	1.690	1.918	2.228	2.703	3.637	4.761	5.171	6.620
8	0.164	0.198	0.259	0.326	0.421	1.631	1.838	2.117	2.538	3.347	4.295	4.635	5.814
9	0.168	0.202	0.265	0.331	0.426	1.586	1.778	2.035	2.416	3.137	3.964	4.256	5.257
10	0.171	0.206	0.269	0.336	0.431	1.551	1.732	1.970	2.323	2.978	3.717	3.975	4.849
11	0.174	0.210	0.273	0.340	0.434	1.523	1.694	1.919	2.248	2.854	3.526	3.758	4.539
12	0.177	0.213	0.276	0.343	0.438	1.500	1.663	1.877	2.188	2.753	3.374	3.587	4.296
13	0.179	0.215	0.279	0.346	0.441	1.480	1.637	1.842	2.138	2.671	3.250	3.447	4.100
14	0.181	0.217	0.282	0.349	0.443	1.463	1.615	1.812	2.095	2.602	3.147	3.332	3.939
15	0.183	0.219	0.284	0.351	0.446	1.449	1.596	1.787	2.059	2.544	3.060	3.235	3.805
16	0.184	0.221	0.286	0.354	0.448	1.437	1.580	1.765	2.028	2.494	2.986	3.152	3.691
17	0.186	0.223	0.288	0.356	0.450	1.426	1.566	1.745	2.001	2.450	2.922	3.080	3.593
18	0.187	0.224	0.290	0.357	0.451	1.416	1.553	1.728	1.977	2.412	2.866	3.018	3.508
19	0.188	0.226	0.291	0.359	0.453	1.407	1.542	1.713	1.956	2.378	2.817	2.963	3.434
20	0.190	0.227	0.293	0.360	0.454	1.399	1.531	1.700	1.937	2.348	2.774	2.915	3.368
21	0.191	0.228	0.294	0.362	0.456	1.392	1.522	1.688	1.920	2.321	2.735	2.872	3.310
22	0.192	0.229	0.295	0.363	0.457	1.386	1.514	1.676	1.904	2.297	2.700	2.833	3.258
23	0.192	0.230	0.296	0.364	0.458	1.380	1.506	1.666	1.890	2.275	2.668	2.798	3.211
24	0.193	0.231	0.297	0.365	0.459	1.375	1.499	1.657	1.877	2.255	2.640	2.766	3.168
25	0.194	0.232	0.298	0.366	0.460	1.370	1.493	1.649	1.866	2.236	2.613	2.737	3.129
26	0.195	0.233	0.299	0.367	0.461	1.366	1.487	1.641	1.855	2.220	2.590	2.711	3.094
27	0.195	0.233	0.300	0.368	0.462	1.361	1.482	1.634	1.845	2.204	2.568	2.686	3.062
28	0.196	0.234	0.301	0.369	0.463	1.358	1.477	1.627	1.836	2.190	2.547	2.664	3.032
29	0.197	0.235	0.301	0.370	0.463	1.354	1.472	1.621	1.827	2.177	2.529	2.643	3.005
30	0.197	0.235	0.302	0.370	0.464	1.351	1.468	1.615	1.819	2.165	2.511	2.624	2.979
35	0.200	0.238	0.305	0.373	0.467	1.337	1.450	1.592	1.787	2.114	2.440	2.546	2.876
40	0.201	0.240	0.307	0.376	0.469	1.327	1.437	1.574	1.763	2.077	2.388	2.488	2.801
45	0.203	0.242	0.309	0.378	0.471	1.319	1.426	1.560	1.744	2.049	2.348	2.444	2.743
50	0.204	0.243	0.310	0.379	0.472	1.312	1.418	1.550	1.729	2.026	2.317	2.410	2.698
55	0.205	0.244	0.312	0.380	0.474	1.307	1.411	1.541	1.717	2.008	2.291	2.382	2.662
60	0.206	0.245	0.313	0.382	0.475	1.303	1.406	1.533	1.707	1.993	2.270	2.359	2.632
65	0.207	0.246	0.314	0.382	0.475	1.299	1.401	1.527	1.699	1.980	2.252	2.339	2.607
70	0.207	0.246	0.314	0.383	0.476	1.296	1.397	1.522	1.691	1.969	2.237	2.323	2.585
75	0.208	0.247	0.315	0.384	0.477	1.293	1.393	1.517	1.685	1.959	2.224	2.308	2.567
80	0.208	0.248	0.316	0.385	0.477	1.291	1.390	1.513	1.680	1.951	2.213	2.296	2.551
85	0.209	0.248	0.316	0.385	0.478	1.289	1.387	1.510	1.675	1.944	2.203	2.285	2.537
90	0.209	0.248	0.316	0.386	0.478	1.287	1.385	1.507	1.670	1.938	2.194	2.275	2.524
95	0.209	0.249	0.317	0.386	0.479	1.285	1.383	1.504	1.667	1.932	2.186	2.267	2.513
100	0.210	0.249	0.317	0.386	0.479	1.283	1.381	1.501	1.663	1.927	2.179	2.259	2.503
200	0.213	0.252	0.321	0.390	0.483	1.269	1.363	1.477	1.631	1.878	2.113	2.187	2.411
500	0.214	0.254	0.323	0.392	0.485	1.261	1.352	1.463	1.612	1.850	2.074	2.144	2.356

DISTRIBUCION F DE SNEDECOR (11)

GRADOS DE LIBERTAD numerador → 11
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.082	0.104	0.149	0.206	0.310	9.367	14.84	26.67	60.47	243.0	973.0	1521	6083
2	0.112	0.139	0.190	0.251	0.350	3.386	4.391	6.063	9.400	19.40	39.40	49.40	99.39
3	0.132	0.161	0.216	0.279	0.376	2.448	2.980	3.789	5.222	8.763	14.37	16.81	27.13
4	0.145	0.176	0.234	0.298	0.394	2.082	2.457	3.001	3.907	5.936	8.794	9.944	14.45
5	0.156	0.188	0.247	0.312	0.408	1.889	2.187	2.608	3.282	4.704	6.568	7.285	9.963
6	0.164	0.197	0.258	0.323	0.419	1.769	2.022	2.373	2.920	4.027	5.410	5.925	7.790
7	0.171	0.205	0.266	0.332	0.427	1.687	1.911	2.217	2.684	3.603	4.709	5.113	6.538
8	0.176	0.211	0.273	0.339	0.434	1.627	1.831	2.105	2.519	3.313	4.243	4.577	5.734
9	0.181	0.216	0.279	0.345	0.440	1.582	1.771	2.022	2.396	3.102	3.912	4.198	5.178
10	0.185	0.220	0.284	0.350	0.445	1.547	1.723	1.957	2.302	2.943	3.665	3.917	4.772
11	0.188	0.224	0.288	0.355	0.449	1.518	1.685	1.905	2.227	2.818	3.474	3.701	4.462
12	0.191	0.227	0.292	0.359	0.453	1.495	1.654	1.863	2.166	2.717	3.321	3.529	4.220
13	0.194	0.230	0.295	0.362	0.456	1.475	1.628	1.828	2.116	2.635	3.197	3.390	4.025
14	0.196	0.233	0.298	0.365	0.459	1.458	1.606	1.798	2.073	2.565	3.095	3.274	3.864
15	0.198	0.235	0.300	0.368	0.461	1.443	1.587	1.772	2.037	2.507	3.008	3.177	3.730
16	0.200	0.237	0.303	0.370	0.464	1.431	1.570	1.750	2.005	2.456	2.934	3.094	3.616
17	0.202	0.239	0.305	0.372	0.466	1.420	1.555	1.730	1.978	2.413	2.870	3.023	3.519
18	0.203	0.241	0.307	0.374	0.468	1.410	1.543	1.713	1.954	2.374	2.814	2.960	3.434
19	0.205	0.243	0.308	0.376	0.469	1.401	1.531	1.697	1.932	2.340	2.765	2.906	3.360
20	0.206	0.244	0.310	0.378	0.471	1.393	1.521	1.684	1.913	2.310	2.721	2.857	3.294
21	0.207	0.245	0.311	0.379	0.472	1.386	1.511	1.671	1.896	2.283	2.682	2.814	3.236
22	0.208	0.247	0.313	0.381	0.474	1.379	1.503	1.660	1.880	2.259	2.647	2.775	3.184
23	0.209	0.248	0.314	0.382	0.475	1.374	1.495	1.650	1.866	2.236	2.615	2.740	3.137
24	0.210	0.249	0.315	0.383	0.476	1.368	1.488	1.641	1.853	2.216	2.586	2.708	3.094
25	0.211	0.250	0.316	0.384	0.477	1.363	1.482	1.632	1.841	2.198	2.560	2.679	3.056
26	0.212	0.251	0.317	0.385	0.478	1.359	1.476	1.624	1.830	2.181	2.536	2.652	3.021
27	0.213	0.251	0.318	0.386	0.479	1.354	1.470	1.617	1.820	2.166	2.514	2.628	2.988
28	0.214	0.252	0.319	0.387	0.480	1.350	1.465	1.610	1.811	2.151	2.494	2.606	2.959
29	0.214	0.253	0.320	0.388	0.481	1.347	1.461	1.604	1.802	2.138	2.475	2.585	2.931
30	0.215	0.254	0.321	0.389	0.482	1.343	1.456	1.598	1.794	2.126	2.458	2.566	2.906
35	0.218	0.257	0.324	0.392	0.485	1.329	1.438	1.574	1.761	2.075	2.387	2.487	2.803
40	0.220	0.259	0.327	0.395	0.487	1.319	1.424	1.556	1.737	2.038	2.334	2.430	2.727
45	0.221	0.261	0.329	0.397	0.489	1.311	1.414	1.542	1.718	2.009	2.294	2.386	2.670
50	0.223	0.262	0.330	0.399	0.491	1.304	1.405	1.531	1.703	1.986	2.263	2.351	2.625
55	0.224	0.264	0.332	0.400	0.492	1.299	1.399	1.522	1.691	1.968	2.237	2.323	2.589
60	0.225	0.265	0.333	0.402	0.494	1.294	1.393	1.515	1.680	1.952	2.216	2.300	2.559
65	0.226	0.266	0.334	0.403	0.495	1.291	1.388	1.509	1.672	1.939	2.198	2.280	2.534
70	0.227	0.267	0.335	0.404	0.495	1.287	1.384	1.503	1.665	1.928	2.183	2.264	2.512
75	0.227	0.267	0.336	0.404	0.496	1.285	1.380	1.498	1.658	1.919	2.170	2.249	2.494
80	0.228	0.268	0.336	0.405	0.497	1.282	1.377	1.494	1.653	1.910	2.158	2.237	2.478
85	0.228	0.268	0.337	0.406	0.497	1.280	1.374	1.491	1.648	1.903	2.148	2.226	2.464
90	0.229	0.269	0.337	0.406	0.498	1.278	1.372	1.488	1.643	1.897	2.140	2.216	2.451
95	0.229	0.269	0.338	0.407	0.498	1.276	1.370	1.485	1.640	1.891	2.132	2.208	2.440
100	0.229	0.270	0.338	0.407	0.499	1.275	1.368	1.482	1.636	1.886	2.124	2.200	2.430
200	0.233	0.274	0.342	0.411	0.503	1.260	1.349	1.458	1.603	1.837	2.058	2.127	2.338
500	0.235	0.276	0.345	0.414	0.505	1.251	1.338	1.443	1.583	1.808	2.019	2.084	2.283

DISTRIBUCION F DE SNEDECOR (12)

GRADOS DE LIBERTAD numerador → 12
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.085	0.107	0.153	0.211	0.315	9.406	14.90	26.78	60.71	243.9	976.7	1526	6106
2	0.118	0.144	0.196	0.257	0.356	3.393	4.399	6.070	9.408	19.41	39.41	49.41	99.40
3	0.138	0.168	0.224	0.287	0.384	2.450	2.981	3.787	5.216	8.745	14.34	16.76	27.05
4	0.153	0.185	0.243	0.307	0.403	2.083	2.455	2.996	3.896	5.912	8.751	9.894	14.37
5	0.165	0.197	0.257	0.322	0.418	1.888	2.184	2.601	3.268	4.678	6.525	7.235	9.888
6	0.174	0.207	0.268	0.334	0.429	1.767	2.018	2.364	2.905	4.000	5.366	5.876	7.718
7	0.181	0.216	0.277	0.343	0.438	1.684	1.906	2.207	2.668	3.575	4.666	5.064	6.469
8	0.187	0.222	0.285	0.351	0.446	1.624	1.825	2.095	2.502	3.284	4.200	4.528	5.667
9	0.192	0.228	0.291	0.358	0.452	1.579	1.764	2.011	2.379	3.073	3.868	4.149	5.111
10	0.197	0.233	0.296	0.363	0.457	1.543	1.716	1.946	2.284	2.913	3.621	3.868	4.706
11	0.200	0.237	0.301	0.368	0.462	1.514	1.678	1.894	2.209	2.788	3.430	3.652	4.397
12	0.204	0.241	0.305	0.372	0.466	1.490	1.646	1.851	2.147	2.687	3.277	3.480	4.155
13	0.207	0.244	0.309	0.376	0.469	1.470	1.620	1.815	2.097	2.604	3.153	3.341	3.960
14	0.209	0.247	0.312	0.379	0.472	1.453	1.598	1.785	2.054	2.534	3.050	3.225	3.800
15	0.212	0.249	0.315	0.382	0.475	1.438	1.578	1.759	2.017	2.475	2.963	3.128	3.666
16	0.214	0.252	0.317	0.385	0.478	1.426	1.561	1.736	1.985	2.425	2.889	3.045	3.553
17	0.216	0.254	0.320	0.387	0.480	1.414	1.547	1.717	1.958	2.381	2.825	2.973	3.455
18	0.218	0.256	0.322	0.389	0.482	1.404	1.534	1.699	1.933	2.342	2.769	2.911	3.371
19	0.219	0.258	0.324	0.391	0.484	1.395	1.522	1.684	1.912	2.308	2.720	2.856	3.297
20	0.221	0.259	0.325	0.393	0.486	1.387	1.512	1.670	1.892	2.278	2.676	2.808	3.231
21	0.222	0.261	0.327	0.395	0.487	1.380	1.502	1.657	1.875	2.250	2.637	2.764	3.173
22	0.223	0.262	0.329	0.396	0.489	1.374	1.494	1.646	1.859	2.226	2.602	2.725	3.121
23	0.225	0.263	0.330	0.398	0.490	1.368	1.486	1.636	1.845	2.204	2.570	2.690	3.074
24	0.226	0.265	0.331	0.399	0.491	1.362	1.479	1.626	1.832	2.183	2.541	2.658	3.032
25	0.227	0.266	0.332	0.400	0.492	1.357	1.472	1.618	1.820	2.165	2.515	2.629	2.993
26	0.228	0.267	0.334	0.402	0.493	1.352	1.466	1.610	1.809	2.148	2.491	2.603	2.958
27	0.229	0.268	0.335	0.403	0.494	1.348	1.461	1.602	1.799	2.132	2.469	2.579	2.926
28	0.229	0.269	0.336	0.404	0.495	1.344	1.455	1.596	1.790	2.118	2.448	2.556	2.896
29	0.230	0.269	0.337	0.405	0.496	1.340	1.451	1.589	1.781	2.104	2.430	2.535	2.868
30	0.231	0.270	0.337	0.405	0.497	1.337	1.446	1.583	1.773	2.092	2.412	2.516	2.843
35	0.234	0.274	0.341	0.409	0.501	1.323	1.428	1.559	1.739	2.041	2.341	2.437	2.740
40	0.237	0.276	0.344	0.412	0.503	1.312	1.414	1.541	1.715	2.003	2.288	2.380	2.665
45	0.238	0.278	0.346	0.415	0.506	1.304	1.403	1.527	1.695	1.974	2.248	2.336	2.608
50	0.240	0.280	0.348	0.416	0.508	1.297	1.394	1.516	1.680	1.952	2.216	2.301	2.562
55	0.241	0.282	0.350	0.418	0.509	1.292	1.387	1.506	1.668	1.933	2.190	2.273	2.526
60	0.243	0.283	0.351	0.419	0.510	1.287	1.382	1.499	1.657	1.917	2.169	2.249	2.496
65	0.244	0.284	0.352	0.421	0.511	1.283	1.377	1.492	1.649	1.904	2.151	2.230	2.471
70	0.244	0.285	0.353	0.422	0.512	1.280	1.372	1.487	1.641	1.893	2.136	2.213	2.450
75	0.245	0.286	0.354	0.422	0.513	1.277	1.369	1.482	1.635	1.884	2.123	2.199	2.431
80	0.246	0.286	0.355	0.423	0.514	1.275	1.366	1.478	1.629	1.875	2.111	2.186	2.415
85	0.246	0.287	0.356	0.424	0.514	1.272	1.363	1.474	1.624	1.868	2.101	2.175	2.401
90	0.247	0.287	0.356	0.425	0.515	1.270	1.360	1.471	1.620	1.861	2.092	2.165	2.389
95	0.247	0.288	0.357	0.425	0.516	1.269	1.358	1.468	1.616	1.856	2.084	2.157	2.378
100	0.248	0.288	0.357	0.426	0.516	1.267	1.356	1.465	1.612	1.850	2.077	2.149	2.368
200	0.252	0.293	0.362	0.430	0.521	1.252	1.337	1.441	1.579	1.801	2.010	2.076	2.275
500	0.254	0.296	0.365	0.433	0.523	1.243	1.325	1.426	1.559	1.772	1.971	2.033	2.220

DISTRIBUCION F DE SNEDECOR (13)

GRADOS DE LIBERTAD numerador → 13

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.088	0.110	0.156	0.214	0.319	9.440	14.95	26.87	60.90	244.7	979.8	1531	6126
2	0.122	0.149	0.201	0.263	0.362	3.400	4.405	6.076	9.414	19.42	39.42	49.42	99.41
3	0.144	0.174	0.230	0.293	0.391	2.452	2.981	3.786	5.210	8.729	14.30	16.72	26.98
4	0.160	0.192	0.250	0.315	0.411	2.083	2.453	2.991	3.886	5.891	8.715	9.851	14.31
5	0.173	0.206	0.265	0.331	0.426	1.887	2.180	2.594	3.257	4.655	6.488	7.192	9.825
6	0.182	0.216	0.277	0.343	0.438	1.765	2.014	2.357	2.892	3.976	5.329	5.833	7.657
7	0.190	0.225	0.287	0.353	0.448	1.682	1.901	2.199	2.654	3.550	4.628	5.021	6.410
8	0.197	0.232	0.295	0.361	0.456	1.622	1.820	2.086	2.488	3.259	4.162	4.486	5.609
9	0.203	0.239	0.302	0.368	0.462	1.576	1.758	2.002	2.364	3.048	3.831	4.107	5.055
10	0.207	0.244	0.308	0.374	0.468	1.540	1.710	1.936	2.269	2.887	3.583	3.826	4.650
11	0.212	0.248	0.313	0.380	0.473	1.510	1.672	1.883	2.193	2.761	3.392	3.610	4.342
12	0.215	0.253	0.317	0.384	0.477	1.486	1.640	1.840	2.131	2.660	3.239	3.438	4.100
13	0.219	0.256	0.321	0.388	0.481	1.466	1.613	1.804	2.080	2.577	3.115	3.299	3.905
14	0.222	0.259	0.324	0.392	0.484	1.449	1.590	1.774	2.037	2.507	3.012	3.183	3.745
15	0.224	0.262	0.328	0.395	0.487	1.434	1.571	1.748	2.000	2.448	2.925	3.086	3.612
16	0.227	0.265	0.330	0.398	0.490	1.421	1.554	1.725	1.968	2.397	2.851	3.003	3.498
17	0.229	0.267	0.333	0.400	0.492	1.409	1.539	1.705	1.940	2.353	2.786	2.931	3.401
18	0.231	0.269	0.335	0.403	0.494	1.399	1.526	1.687	1.916	2.314	2.730	2.869	3.316
19	0.233	0.271	0.337	0.405	0.496	1.390	1.514	1.672	1.894	2.280	2.681	2.814	3.242
20	0.234	0.273	0.339	0.407	0.498	1.382	1.503	1.658	1.875	2.250	2.637	2.765	3.177
21	0.236	0.275	0.341	0.409	0.500	1.375	1.494	1.645	1.857	2.222	2.598	2.722	3.119
22	0.237	0.276	0.343	0.410	0.502	1.368	1.485	1.634	1.841	2.198	2.563	2.683	3.067
23	0.238	0.277	0.344	0.412	0.503	1.362	1.477	1.623	1.827	2.175	2.531	2.648	3.020
24	0.240	0.279	0.346	0.413	0.504	1.357	1.470	1.614	1.814	2.155	2.502	2.616	2.977
25	0.241	0.280	0.347	0.415	0.506	1.352	1.464	1.605	1.802	2.136	2.476	2.587	2.939
26	0.242	0.281	0.348	0.416	0.507	1.347	1.457	1.597	1.790	2.119	2.451	2.560	2.904
27	0.243	0.282	0.349	0.417	0.508	1.342	1.452	1.589	1.780	2.103	2.429	2.536	2.871
28	0.244	0.283	0.350	0.418	0.509	1.338	1.447	1.583	1.771	2.089	2.409	2.513	2.842
29	0.245	0.284	0.351	0.419	0.510	1.335	1.442	1.576	1.762	2.075	2.390	2.492	2.814
30	0.246	0.285	0.352	0.420	0.511	1.331	1.437	1.570	1.754	2.063	2.372	2.473	2.789
35	0.249	0.289	0.357	0.424	0.515	1.317	1.418	1.546	1.720	2.012	2.301	2.394	2.686
40	0.252	0.292	0.360	0.428	0.518	1.306	1.404	1.527	1.695	1.974	2.248	2.336	2.611
45	0.254	0.294	0.362	0.430	0.520	1.297	1.393	1.513	1.676	1.945	2.208	2.292	2.553
50	0.256	0.296	0.364	0.432	0.522	1.291	1.385	1.502	1.660	1.921	2.176	2.257	2.508
55	0.257	0.298	0.366	0.434	0.524	1.285	1.378	1.492	1.648	1.903	2.150	2.229	2.472
60	0.259	0.299	0.368	0.435	0.525	1.280	1.372	1.485	1.637	1.887	2.129	2.205	2.442
65	0.260	0.300	0.369	0.437	0.526	1.276	1.367	1.478	1.628	1.874	2.111	2.186	2.417
70	0.261	0.301	0.370	0.438	0.527	1.273	1.362	1.472	1.621	1.863	2.095	2.169	2.395
75	0.262	0.302	0.371	0.439	0.528	1.270	1.359	1.468	1.614	1.853	2.082	2.155	2.377
80	0.262	0.303	0.372	0.440	0.529	1.268	1.355	1.463	1.609	1.845	2.071	2.142	2.361
85	0.263	0.304	0.373	0.440	0.530	1.265	1.352	1.460	1.604	1.837	2.060	2.131	2.347
90	0.264	0.305	0.373	0.441	0.530	1.263	1.350	1.456	1.599	1.830	2.051	2.121	2.334
95	0.264	0.305	0.374	0.442	0.531	1.262	1.348	1.453	1.595	1.825	2.043	2.112	2.323
100	0.265	0.306	0.374	0.442	0.531	1.260	1.346	1.451	1.592	1.819	2.036	2.105	2.313
200	0.269	0.311	0.380	0.448	0.536	1.245	1.326	1.425	1.558	1.769	1.969	2.031	2.220
500	0.272	0.314	0.383	0.451	0.540	1.236	1.314	1.410	1.537	1.740	1.929	1.988	2.166

DISTRIBUCION F DE SNEDECOR (14)

GRADOS DE LIBERTAD numerador → 14

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.090	0.113	0.159	0.217	0.322	9.468	15.00	26.94	61.07	245.4	982.5	1535	6143
2	0.126	0.153	0.206	0.267	0.367	3.405	4.410	6.082	9.420	19.42	39.42	49.42	99.41
3	0.150	0.180	0.236	0.299	0.396	2.454	2.982	3.784	5.205	8.715	14.28	16.69	26.92
4	0.167	0.199	0.257	0.321	0.418	2.083	2.452	2.987	3.878	5.873	8.684	9.815	14.25
5	0.180	0.213	0.273	0.338	0.433	1.886	2.178	2.589	3.247	4.636	6.456	7.156	9.770
6	0.190	0.224	0.286	0.351	0.446	1.764	2.010	2.350	2.881	3.956	5.297	5.797	7.605
7	0.199	0.234	0.296	0.362	0.456	1.680	1.897	2.192	2.643	3.529	4.596	4.985	6.359
8	0.206	0.242	0.304	0.371	0.464	1.619	1.815	2.079	2.475	3.237	4.130	4.449	5.559
9	0.212	0.248	0.312	0.378	0.471	1.573	1.753	1.994	2.351	3.025	3.798	4.071	5.005
10	0.217	0.254	0.318	0.384	0.477	1.537	1.705	1.927	2.255	2.865	3.550	3.790	4.601
11	0.222	0.259	0.323	0.390	0.482	1.507	1.666	1.874	2.179	2.739	3.359	3.573	4.293
12	0.226	0.263	0.328	0.395	0.487	1.483	1.634	1.831	2.117	2.637	3.206	3.402	4.052
13	0.229	0.267	0.332	0.399	0.491	1.462	1.607	1.795	2.066	2.554	3.082	3.262	3.857
14	0.233	0.270	0.336	0.403	0.494	1.445	1.584	1.764	2.022	2.484	2.979	3.146	3.698
15	0.235	0.274	0.339	0.406	0.498	1.430	1.564	1.738	1.985	2.424	2.891	3.049	3.564
16	0.238	0.276	0.342	0.409	0.500	1.417	1.547	1.715	1.953	2.373	2.817	2.966	3.451
17	0.240	0.279	0.345	0.412	0.503	1.405	1.532	1.695	1.925	2.329	2.753	2.894	3.353
18	0.243	0.281	0.347	0.414	0.505	1.395	1.519	1.677	1.900	2.290	2.696	2.832	3.269
19	0.245	0.283	0.350	0.417	0.508	1.386	1.507	1.661	1.878	2.256	2.647	2.777	3.195
20	0.246	0.285	0.352	0.419	0.510	1.378	1.496	1.647	1.859	2.225	2.603	2.728	3.130
21	0.248	0.287	0.354	0.421	0.511	1.370	1.487	1.634	1.841	2.197	2.564	2.685	3.072
22	0.250	0.289	0.355	0.423	0.513	1.364	1.478	1.623	1.825	2.173	2.528	2.646	3.019
23	0.251	0.290	0.357	0.424	0.515	1.357	1.470	1.612	1.811	2.150	2.497	2.610	2.973
24	0.252	0.292	0.359	0.426	0.516	1.352	1.463	1.603	1.797	2.130	2.468	2.578	2.930
25	0.254	0.293	0.360	0.427	0.517	1.347	1.456	1.594	1.785	2.111	2.441	2.549	2.892
26	0.255	0.294	0.361	0.429	0.519	1.342	1.450	1.586	1.774	2.094	2.417	2.523	2.857
27	0.256	0.296	0.363	0.430	0.520	1.337	1.444	1.578	1.764	2.078	2.395	2.498	2.824
28	0.257	0.297	0.364	0.431	0.521	1.333	1.439	1.571	1.754	2.064	2.374	2.475	2.795
29	0.258	0.298	0.365	0.432	0.522	1.330	1.434	1.565	1.745	2.050	2.355	2.455	2.767
30	0.259	0.299	0.366	0.433	0.523	1.326	1.429	1.559	1.737	2.037	2.338	2.435	2.742
35	0.263	0.303	0.370	0.438	0.527	1.311	1.410	1.534	1.703	1.986	2.266	2.356	2.639
40	0.266	0.306	0.374	0.441	0.530	1.300	1.396	1.515	1.678	1.948	2.213	2.298	2.563
45	0.268	0.309	0.377	0.444	0.533	1.292	1.385	1.501	1.658	1.918	2.172	2.254	2.506
50	0.270	0.311	0.379	0.446	0.535	1.285	1.376	1.489	1.643	1.895	2.140	2.219	2.461
55	0.272	0.313	0.381	0.448	0.537	1.279	1.369	1.480	1.630	1.876	2.114	2.190	2.424
60	0.274	0.314	0.383	0.450	0.538	1.274	1.363	1.472	1.619	1.860	2.093	2.167	2.394
65	0.275	0.316	0.384	0.451	0.540	1.270	1.358	1.465	1.610	1.847	2.075	2.147	2.369
70	0.276	0.317	0.385	0.452	0.541	1.267	1.353	1.460	1.603	1.836	2.059	2.130	2.348
75	0.277	0.318	0.386	0.453	0.542	1.264	1.350	1.455	1.596	1.826	2.046	2.116	2.329
80	0.278	0.319	0.387	0.454	0.543	1.262	1.346	1.450	1.590	1.817	2.035	2.103	2.313
85	0.278	0.319	0.388	0.455	0.543	1.259	1.343	1.447	1.585	1.810	2.024	2.092	2.299
90	0.279	0.320	0.389	0.456	0.544	1.257	1.341	1.443	1.581	1.803	2.015	2.082	2.286
95	0.280	0.321	0.389	0.457	0.545	1.255	1.338	1.440	1.577	1.797	2.007	2.073	2.275
100	0.280	0.321	0.390	0.457	0.545	1.254	1.336	1.438	1.573	1.792	2.000	2.066	2.265
200	0.285	0.327	0.396	0.463	0.551	1.238	1.316	1.412	1.539	1.742	1.932	1.992	2.172
500	0.289	0.330	0.400	0.467	0.554	1.229	1.304	1.396	1.518	1.712	1.892	1.948	2.117

DISTRIBUCION F DE SNEDECOR (15)

GRADOS DE LIBERTAD numerador → 15

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.093	0.115	0.161	0.220	0.325	9.493	15.04	27.01	61.22	245.9	984.9	1539	6157
2	0.130	0.157	0.210	0.272	0.371	3.410	4.415	6.087	9.425	19.43	39.43	49.43	99.42
3	0.154	0.185	0.241	0.304	0.402	2.455	2.982	3.783	5.200	8.703	14.25	16.66	26.87
4	0.172	0.204	0.263	0.327	0.423	2.083	2.450	2.983	3.870	5.858	8.657	9.783	14.20
5	0.186	0.220	0.280	0.345	0.440	1.885	2.175	2.584	3.238	4.619	6.428	7.123	9.722
6	0.197	0.232	0.293	0.358	0.453	1.762	2.007	2.345	2.871	3.938	5.269	5.765	7.559
7	0.206	0.241	0.304	0.369	0.463	1.678	1.893	2.185	2.632	3.511	4.568	4.953	6.314
8	0.214	0.250	0.313	0.379	0.472	1.617	1.811	2.072	2.464	3.218	4.101	4.417	5.515
9	0.220	0.257	0.320	0.386	0.479	1.570	1.749	1.986	2.340	3.006	3.769	4.039	4.962
10	0.226	0.263	0.327	0.393	0.486	1.534	1.700	1.920	2.244	2.845	3.522	3.758	4.558
11	0.231	0.268	0.332	0.399	0.491	1.504	1.661	1.867	2.167	2.719	3.330	3.542	4.251
12	0.235	0.273	0.337	0.404	0.496	1.480	1.628	1.823	2.105	2.617	3.177	3.370	4.010
13	0.239	0.277	0.342	0.408	0.500	1.459	1.601	1.786	2.053	2.533	3.053	3.230	3.815
14	0.243	0.281	0.346	0.412	0.504	1.441	1.578	1.755	2.010	2.463	2.949	3.114	3.656
15	0.246	0.284	0.349	0.416	0.507	1.426	1.558	1.729	1.972	2.403	2.862	3.017	3.522
16	0.249	0.287	0.353	0.419	0.510	1.413	1.541	1.706	1.940	2.352	2.788	2.934	3.409
17	0.251	0.290	0.356	0.422	0.513	1.401	1.526	1.686	1.912	2.308	2.723	2.862	3.312
18	0.253	0.292	0.358	0.425	0.515	1.391	1.513	1.668	1.887	2.269	2.667	2.799	3.227
19	0.256	0.294	0.361	0.427	0.518	1.382	1.500	1.652	1.865	2.234	2.617	2.744	3.153
20	0.258	0.297	0.363	0.430	0.520	1.374	1.490	1.638	1.845	2.203	2.573	2.695	3.088
21	0.259	0.299	0.365	0.432	0.522	1.366	1.480	1.625	1.827	2.176	2.534	2.652	3.030
22	0.261	0.300	0.367	0.434	0.523	1.359	1.471	1.613	1.811	2.151	2.498	2.613	2.978
23	0.263	0.302	0.369	0.435	0.525	1.353	1.463	1.602	1.796	2.128	2.466	2.578	2.931
24	0.264	0.304	0.370	0.437	0.527	1.347	1.456	1.593	1.783	2.108	2.437	2.545	2.889
25	0.266	0.305	0.372	0.439	0.528	1.342	1.449	1.584	1.771	2.089	2.411	2.516	2.850
26	0.267	0.306	0.373	0.440	0.529	1.337	1.443	1.576	1.760	2.072	2.387	2.490	2.815
27	0.268	0.308	0.375	0.441	0.531	1.333	1.437	1.568	1.749	2.056	2.364	2.465	2.783
28	0.269	0.309	0.376	0.443	0.532	1.329	1.432	1.561	1.740	2.041	2.344	2.442	2.753
29	0.270	0.310	0.377	0.444	0.533	1.325	1.427	1.554	1.731	2.027	2.325	2.421	2.726
30	0.271	0.311	0.378	0.445	0.534	1.321	1.422	1.548	1.722	2.015	2.307	2.402	2.700
35	0.276	0.316	0.383	0.450	0.538	1.306	1.403	1.523	1.688	1.963	2.235	2.323	2.597
40	0.279	0.319	0.387	0.454	0.542	1.295	1.388	1.504	1.662	1.924	2.182	2.265	2.522
45	0.282	0.322	0.390	0.457	0.545	1.286	1.377	1.490	1.643	1.895	2.141	2.220	2.464
50	0.284	0.325	0.392	0.459	0.547	1.280	1.368	1.478	1.627	1.871	2.109	2.185	2.419
55	0.286	0.327	0.394	0.461	0.549	1.274	1.361	1.468	1.614	1.852	2.083	2.156	2.382
60	0.287	0.328	0.396	0.463	0.550	1.269	1.355	1.461	1.603	1.836	2.061	2.133	2.352
65	0.289	0.330	0.398	0.464	0.552	1.265	1.350	1.454	1.594	1.823	2.043	2.113	2.327
70	0.290	0.331	0.399	0.466	0.553	1.262	1.345	1.448	1.587	1.812	2.028	2.096	2.306
75	0.291	0.332	0.400	0.467	0.554	1.259	1.341	1.443	1.580	1.802	2.014	2.081	2.287
80	0.292	0.333	0.401	0.468	0.555	1.256	1.338	1.439	1.574	1.793	2.003	2.069	2.271
85	0.293	0.334	0.402	0.469	0.556	1.254	1.335	1.435	1.569	1.786	1.992	2.058	2.257
90	0.293	0.335	0.403	0.470	0.557	1.252	1.332	1.432	1.564	1.779	1.983	2.048	2.244
95	0.294	0.335	0.404	0.470	0.557	1.250	1.330	1.428	1.560	1.773	1.975	2.039	2.233
100	0.295	0.336	0.404	0.471	0.558	1.248	1.328	1.426	1.557	1.768	1.968	2.031	2.223
200	0.300	0.342	0.411	0.477	0.564	1.232	1.308	1.400	1.522	1.717	1.900	1.957	2.129
500	0.304	0.346	0.415	0.481	0.567	1.223	1.295	1.384	1.501	1.686	1.859	1.913	2.075

DISTRIBUCION F DE SNEDECOR (16)

GRADOS DE LIBERTAD numerador → 16
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.095	0.117	0.164	0.223	0.328	9.515	15.07	27.07	61.35	246.5	986.9	1542	6170
2	0.133	0.161	0.213	0.275	0.375	3.414	4.419	6.091	9.429	19.43	39.43	49.43	99.42
3	0.159	0.189	0.245	0.309	0.406	2.456	2.982	3.782	5.196	8.692	14.23	16.63	26.83
4	0.177	0.210	0.268	0.333	0.429	2.083	2.449	2.980	3.864	5.844	8.633	9.755	14.15
5	0.192	0.225	0.286	0.351	0.446	1.884	2.173	2.579	3.230	4.604	6.403	7.095	9.680
6	0.204	0.238	0.299	0.365	0.459	1.761	2.004	2.340	2.863	3.922	5.244	5.737	7.519
7	0.213	0.248	0.311	0.376	0.470	1.676	1.890	2.180	2.623	3.494	4.543	4.925	6.275
8	0.221	0.257	0.320	0.386	0.479	1.615	1.807	2.066	2.455	3.202	4.076	4.389	5.477
9	0.228	0.265	0.328	0.394	0.487	1.568	1.745	1.980	2.329	2.989	3.744	4.011	4.924
10	0.234	0.271	0.335	0.401	0.493	1.531	1.696	1.913	2.233	2.828	3.496	3.730	4.520
11	0.239	0.277	0.341	0.407	0.499	1.501	1.656	1.860	2.156	2.701	3.304	3.513	4.213
12	0.244	0.281	0.346	0.412	0.504	1.477	1.624	1.816	2.094	2.599	3.152	3.341	3.972
13	0.248	0.286	0.351	0.417	0.508	1.456	1.596	1.779	2.042	2.515	3.027	3.201	3.778
14	0.252	0.290	0.355	0.421	0.512	1.438	1.573	1.748	1.998	2.445	2.923	3.086	3.619
15	0.255	0.293	0.359	0.425	0.515	1.423	1.553	1.721	1.961	2.385	2.836	2.988	3.485
16	0.258	0.297	0.362	0.429	0.519	1.410	1.536	1.698	1.928	2.333	2.761	2.905	3.372
17	0.261	0.299	0.365	0.432	0.522	1.398	1.520	1.677	1.900	2.289	2.697	2.833	3.275
18	0.263	0.302	0.368	0.434	0.524	1.388	1.507	1.659	1.875	2.250	2.640	2.770	3.190
19	0.266	0.305	0.371	0.437	0.527	1.378	1.495	1.643	1.852	2.215	2.591	2.715	3.117
20	0.268	0.307	0.373	0.439	0.529	1.370	1.484	1.629	1.833	2.184	2.547	2.666	3.051
21	0.270	0.309	0.375	0.442	0.531	1.362	1.474	1.616	1.815	2.156	2.507	2.623	2.993
22	0.272	0.311	0.377	0.444	0.533	1.355	1.465	1.604	1.798	2.131	2.472	2.584	2.941
23	0.273	0.313	0.379	0.446	0.534	1.349	1.457	1.594	1.784	2.109	2.440	2.548	2.894
24	0.275	0.314	0.381	0.447	0.536	1.343	1.450	1.584	1.770	2.088	2.411	2.516	2.852
25	0.276	0.316	0.383	0.449	0.538	1.338	1.443	1.575	1.758	2.069	2.384	2.487	2.813
26	0.278	0.317	0.384	0.451	0.539	1.333	1.437	1.567	1.747	2.052	2.360	2.460	2.778
27	0.279	0.319	0.386	0.452	0.540	1.329	1.431	1.559	1.736	2.036	2.337	2.436	2.746
28	0.280	0.320	0.387	0.453	0.542	1.325	1.425	1.552	1.726	2.021	2.317	2.413	2.716
29	0.281	0.321	0.388	0.455	0.543	1.321	1.420	1.545	1.717	2.007	2.298	2.392	2.689
30	0.283	0.323	0.389	0.456	0.544	1.317	1.416	1.539	1.709	1.995	2.280	2.372	2.663
35	0.287	0.327	0.395	0.461	0.549	1.302	1.396	1.514	1.674	1.942	2.207	2.293	2.560
40	0.291	0.331	0.399	0.465	0.552	1.291	1.381	1.495	1.649	1.904	2.154	2.234	2.484
45	0.294	0.334	0.402	0.468	0.555	1.282	1.370	1.480	1.629	1.874	2.113	2.190	2.427
50	0.296	0.337	0.405	0.471	0.558	1.275	1.361	1.468	1.613	1.850	2.081	2.154	2.382
55	0.298	0.339	0.407	0.473	0.560	1.269	1.354	1.458	1.600	1.831	2.055	2.126	2.345
60	0.300	0.341	0.409	0.475	0.561	1.264	1.347	1.450	1.589	1.815	2.033	2.102	2.315
65	0.302	0.343	0.410	0.476	0.563	1.260	1.342	1.444	1.580	1.802	2.015	2.082	2.289
70	0.303	0.344	0.412	0.478	0.564	1.257	1.338	1.438	1.572	1.790	1.999	2.065	2.268
75	0.304	0.345	0.413	0.479	0.565	1.253	1.334	1.433	1.565	1.780	1.986	2.051	2.249
80	0.305	0.346	0.414	0.480	0.566	1.251	1.330	1.428	1.559	1.772	1.974	2.038	2.233
85	0.306	0.347	0.415	0.481	0.567	1.248	1.327	1.424	1.554	1.764	1.964	2.027	2.219
90	0.307	0.348	0.416	0.482	0.568	1.246	1.325	1.421	1.550	1.757	1.955	2.017	2.206
95	0.307	0.349	0.417	0.483	0.568	1.245	1.322	1.418	1.545	1.751	1.946	2.008	2.195
100	0.308	0.349	0.417	0.483	0.569	1.243	1.320	1.415	1.542	1.746	1.939	2.000	2.185
200	0.315	0.356	0.424	0.490	0.575	1.227	1.300	1.389	1.507	1.694	1.870	1.925	2.091
500	0.319	0.360	0.429	0.495	0.579	1.217	1.287	1.373	1.485	1.664	1.830	1.881	2.036

DISTRIBUCION F DE SNEDECOR (17)

GRADOS DE LIBERTAD numerador → 17

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.096	0.119	0.166	0.225	0.330	9.535	15.10	27.12	61.46	246.9	988.7	1545	6181
2	0.136	0.164	0.217	0.278	0.378	3.418	4.423	6.094	9.432	19.44	39.44	49.44	99.42
3	0.162	0.193	0.249	0.313	0.410	2.458	2.982	3.780	5.193	8.683	14.21	16.61	26.79
4	0.182	0.214	0.273	0.337	0.433	2.083	2.448	2.977	3.858	5.832	8.611	9.730	14.11
5	0.197	0.231	0.291	0.356	0.451	1.884	2.171	2.576	3.223	4.590	6.381	7.070	9.643
6	0.209	0.244	0.305	0.371	0.465	1.760	2.001	2.335	2.855	3.908	5.222	5.712	7.483
7	0.219	0.255	0.317	0.383	0.476	1.675	1.887	2.175	2.615	3.480	4.521	4.900	6.240
8	0.228	0.264	0.327	0.392	0.485	1.613	1.804	2.060	2.446	3.187	4.054	4.364	5.442
9	0.235	0.272	0.335	0.401	0.493	1.566	1.741	1.974	2.320	2.974	3.722	3.986	4.890
10	0.241	0.278	0.342	0.408	0.500	1.529	1.692	1.907	2.224	2.812	3.474	3.705	4.487
11	0.247	0.284	0.348	0.414	0.506	1.499	1.652	1.853	2.147	2.685	3.282	3.488	4.180
12	0.252	0.289	0.354	0.420	0.511	1.474	1.619	1.809	2.084	2.583	3.129	3.316	3.939
13	0.256	0.294	0.359	0.425	0.515	1.453	1.592	1.772	2.032	2.499	3.004	3.176	3.745
14	0.260	0.298	0.363	0.429	0.519	1.435	1.569	1.741	1.988	2.428	2.900	3.060	3.586
15	0.264	0.302	0.367	0.433	0.523	1.420	1.548	1.714	1.950	2.368	2.813	2.963	3.452
16	0.267	0.305	0.371	0.437	0.526	1.407	1.531	1.691	1.917	2.317	2.738	2.879	3.339
17	0.270	0.308	0.374	0.440	0.529	1.395	1.516	1.670	1.889	2.272	2.673	2.807	3.242
18	0.272	0.311	0.377	0.443	0.532	1.384	1.502	1.652	1.864	2.233	2.617	2.745	3.158
19	0.275	0.314	0.380	0.446	0.535	1.375	1.490	1.636	1.841	2.198	2.567	2.690	3.084
20	0.277	0.316	0.382	0.448	0.537	1.367	1.479	1.621	1.821	2.167	2.523	2.641	3.018
21	0.279	0.319	0.385	0.451	0.539	1.359	1.469	1.608	1.803	2.139	2.483	2.597	2.960
22	0.281	0.321	0.387	0.453	0.541	1.352	1.460	1.596	1.787	2.114	2.448	2.558	2.908
23	0.283	0.323	0.389	0.455	0.543	1.346	1.452	1.586	1.772	2.091	2.416	2.522	2.861
24	0.285	0.324	0.391	0.457	0.545	1.340	1.444	1.576	1.759	2.070	2.386	2.490	2.819
25	0.286	0.326	0.392	0.458	0.546	1.335	1.437	1.567	1.746	2.051	2.360	2.461	2.780
26	0.288	0.328	0.394	0.460	0.548	1.330	1.431	1.558	1.735	2.034	2.335	2.434	2.745
27	0.289	0.329	0.396	0.462	0.549	1.325	1.425	1.551	1.724	2.018	2.313	2.409	2.713
28	0.291	0.330	0.397	0.463	0.550	1.321	1.419	1.544	1.715	2.003	2.292	2.386	2.683
29	0.292	0.332	0.398	0.464	0.552	1.317	1.414	1.537	1.705	1.989	2.273	2.365	2.656
30	0.293	0.333	0.400	0.466	0.553	1.313	1.410	1.531	1.697	1.976	2.255	2.346	2.630
35	0.298	0.338	0.405	0.471	0.558	1.298	1.390	1.505	1.662	1.924	2.183	2.266	2.527
40	0.302	0.342	0.409	0.475	0.562	1.286	1.375	1.486	1.636	1.885	2.129	2.208	2.451
45	0.305	0.346	0.413	0.479	0.565	1.278	1.364	1.471	1.616	1.855	2.088	2.163	2.393
50	0.308	0.349	0.416	0.481	0.567	1.270	1.355	1.459	1.600	1.831	2.056	2.127	2.348
55	0.310	0.351	0.418	0.484	0.569	1.265	1.347	1.449	1.587	1.812	2.029	2.098	2.311
60	0.312	0.353	0.420	0.486	0.571	1.260	1.341	1.441	1.576	1.796	2.008	2.075	2.281
65	0.314	0.354	0.422	0.488	0.573	1.255	1.336	1.434	1.567	1.782	1.989	2.055	2.256
70	0.315	0.356	0.423	0.489	0.574	1.252	1.331	1.428	1.559	1.771	1.974	2.038	2.234
75	0.316	0.357	0.425	0.490	0.575	1.249	1.327	1.423	1.552	1.761	1.960	2.023	2.215
80	0.317	0.358	0.426	0.491	0.576	1.246	1.324	1.419	1.546	1.752	1.948	2.010	2.199
85	0.318	0.359	0.427	0.492	0.577	1.244	1.321	1.415	1.541	1.744	1.938	1.999	2.185
90	0.319	0.360	0.428	0.493	0.578	1.242	1.318	1.411	1.536	1.737	1.929	1.989	2.172
95	0.320	0.361	0.429	0.494	0.579	1.240	1.315	1.408	1.532	1.731	1.921	1.980	2.161
100	0.321	0.362	0.429	0.495	0.580	1.238	1.313	1.405	1.528	1.726	1.913	1.972	2.151
200	0.328	0.369	0.437	0.502	0.586	1.222	1.292	1.378	1.493	1.674	1.844	1.897	2.057
500	0.332	0.374	0.442	0.507	0.590	1.212	1.280	1.362	1.471	1.643	1.803	1.853	2.002

DISTRIBUCION F DE SNEDECOR (18)

GRADOS DE LIBERTAD numerador → 18

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.098	0.121	0.167	0.227	0.333	9.552	15.13	27.17	61.57	247.3	990.3	1548	6192
2	0.139	0.166	0.219	0.281	0.381	3.421	4.426	6.098	9.436	19.44	39.44	49.44	99.43
3	0.166	0.196	0.253	0.316	0.414	2.459	2.983	3.779	5.190	8.675	14.20	16.59	26.75
4	0.186	0.218	0.277	0.342	0.437	2.083	2.447	2.975	3.853	5.821	8.592	9.708	14.08
5	0.202	0.235	0.296	0.361	0.455	1.883	2.169	2.572	3.217	4.579	6.362	7.048	9.610
6	0.214	0.249	0.310	0.376	0.470	1.759	1.999	2.331	2.848	3.896	5.202	5.689	7.451
7	0.225	0.260	0.323	0.388	0.481	1.674	1.884	2.170	2.607	3.467	4.501	4.878	6.209
8	0.234	0.270	0.333	0.398	0.491	1.612	1.801	2.055	2.438	3.173	4.034	4.342	5.412
9	0.241	0.278	0.341	0.407	0.499	1.564	1.738	1.969	2.312	2.960	3.701	3.963	4.860
10	0.248	0.285	0.349	0.415	0.506	1.527	1.688	1.902	2.215	2.798	3.453	3.682	4.457
11	0.254	0.291	0.355	0.421	0.512	1.497	1.648	1.847	2.138	2.671	3.261	3.466	4.150
12	0.259	0.297	0.361	0.427	0.517	1.472	1.616	1.803	2.075	2.568	3.108	3.293	3.909
13	0.264	0.302	0.366	0.432	0.522	1.451	1.588	1.766	2.023	2.484	2.983	3.153	3.716
14	0.268	0.306	0.371	0.437	0.526	1.433	1.564	1.735	1.978	2.413	2.879	3.037	3.556
15	0.272	0.310	0.375	0.441	0.530	1.417	1.544	1.708	1.941	2.353	2.792	2.940	3.423
16	0.275	0.313	0.379	0.445	0.533	1.404	1.527	1.684	1.908	2.302	2.717	2.856	3.310
17	0.278	0.317	0.382	0.448	0.537	1.392	1.511	1.664	1.879	2.257	2.652	2.784	3.212
18	0.281	0.320	0.385	0.451	0.539	1.381	1.497	1.645	1.854	2.217	2.596	2.722	3.128
19	0.283	0.322	0.388	0.454	0.542	1.372	1.485	1.629	1.831	2.182	2.546	2.666	3.054
20	0.286	0.325	0.391	0.456	0.544	1.363	1.474	1.614	1.811	2.151	2.501	2.617	2.989
21	0.288	0.327	0.393	0.459	0.547	1.356	1.464	1.601	1.793	2.123	2.462	2.574	2.931
22	0.290	0.330	0.395	0.461	0.549	1.349	1.455	1.589	1.777	2.098	2.426	2.534	2.879
23	0.292	0.332	0.398	0.463	0.551	1.342	1.447	1.578	1.762	2.075	2.394	2.499	2.832
24	0.294	0.333	0.400	0.465	0.552	1.337	1.439	1.569	1.748	2.054	2.365	2.466	2.789
25	0.296	0.335	0.401	0.467	0.554	1.331	1.432	1.559	1.736	2.035	2.338	2.437	2.751
26	0.297	0.337	0.403	0.469	0.556	1.326	1.426	1.551	1.724	2.018	2.314	2.410	2.715
27	0.299	0.338	0.405	0.470	0.557	1.322	1.420	1.543	1.714	2.002	2.291	2.385	2.683
28	0.300	0.340	0.406	0.472	0.558	1.317	1.414	1.536	1.704	1.987	2.270	2.363	2.653
29	0.301	0.341	0.408	0.473	0.560	1.313	1.409	1.529	1.695	1.973	2.251	2.342	2.626
30	0.303	0.343	0.409	0.475	0.561	1.310	1.404	1.523	1.686	1.960	2.233	2.322	2.600
35	0.308	0.348	0.415	0.480	0.566	1.294	1.384	1.497	1.651	1.907	2.160	2.242	2.497
40	0.312	0.353	0.419	0.485	0.570	1.283	1.370	1.478	1.625	1.868	2.107	2.183	2.421
45	0.316	0.356	0.423	0.488	0.573	1.274	1.358	1.463	1.605	1.838	2.066	2.138	2.363
50	0.319	0.359	0.426	0.491	0.576	1.266	1.349	1.451	1.588	1.814	2.033	2.103	2.318
55	0.321	0.362	0.429	0.494	0.578	1.260	1.341	1.441	1.575	1.795	2.006	2.074	2.281
60	0.323	0.364	0.431	0.496	0.580	1.255	1.335	1.433	1.564	1.778	1.985	2.050	2.251
65	0.325	0.366	0.433	0.498	0.582	1.251	1.329	1.426	1.555	1.765	1.966	2.030	2.225
70	0.326	0.367	0.434	0.499	0.583	1.248	1.325	1.420	1.547	1.753	1.950	2.013	2.204
75	0.328	0.368	0.436	0.501	0.585	1.245	1.321	1.415	1.540	1.743	1.937	1.998	2.185
80	0.329	0.370	0.437	0.502	0.586	1.242	1.317	1.410	1.534	1.734	1.925	1.985	2.169
85	0.330	0.371	0.438	0.503	0.587	1.239	1.314	1.406	1.529	1.726	1.915	1.974	2.154
90	0.331	0.372	0.439	0.504	0.588	1.237	1.311	1.402	1.524	1.720	1.905	1.964	2.142
95	0.332	0.373	0.440	0.505	0.588	1.235	1.309	1.399	1.520	1.713	1.897	1.955	2.130
100	0.332	0.373	0.441	0.506	0.589	1.234	1.307	1.396	1.516	1.708	1.890	1.947	2.120
200	0.340	0.381	0.449	0.513	0.596	1.217	1.286	1.369	1.480	1.656	1.820	1.871	2.026
500	0.345	0.386	0.454	0.518	0.601	1.207	1.273	1.353	1.458	1.625	1.779	1.826	1.970

DISTRIBUCION F DE SNEDECOR (19)

GRADOS DE LIBERTAD numerador → 19

↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.099	0.122	0.169	0.228	0.334	9.567	15.15	27.21	61.66	247.7	991.8	1550	6201
2	0.141	0.169	0.222	0.284	0.384	3.424	4.429	6.101	9.439	19.44	39.44	49.44	99.43
3	0.169	0.200	0.256	0.320	0.417	2.459	2.983	3.779	5.187	8.667	14.18	16.57	26.72
4	0.190	0.222	0.281	0.345	0.441	2.083	2.446	2.973	3.849	5.811	8.575	9.688	14.05
5	0.206	0.240	0.300	0.365	0.460	1.882	2.167	2.569	3.212	4.568	6.344	7.028	9.580
6	0.219	0.254	0.315	0.380	0.474	1.758	1.997	2.327	2.842	3.884	5.184	5.669	7.422
7	0.230	0.266	0.328	0.393	0.486	1.672	1.882	2.166	2.601	3.455	4.483	4.857	6.181
8	0.239	0.275	0.338	0.404	0.496	1.610	1.798	2.051	2.431	3.161	4.016	4.322	5.384
9	0.247	0.284	0.347	0.413	0.504	1.563	1.735	1.964	2.305	2.948	3.683	3.943	4.833
10	0.254	0.291	0.355	0.421	0.511	1.525	1.685	1.897	2.208	2.785	3.435	3.662	4.430
11	0.260	0.298	0.362	0.427	0.518	1.495	1.645	1.842	2.130	2.658	3.243	3.445	4.123
12	0.266	0.303	0.368	0.433	0.523	1.470	1.612	1.798	2.067	2.555	3.090	3.273	3.883
13	0.271	0.308	0.373	0.439	0.528	1.449	1.584	1.761	2.014	2.471	2.965	3.133	3.689
14	0.275	0.313	0.378	0.443	0.532	1.431	1.561	1.729	1.970	2.400	2.861	3.017	3.529
15	0.279	0.317	0.382	0.448	0.536	1.415	1.540	1.702	1.932	2.340	2.773	2.919	3.396
16	0.282	0.321	0.386	0.451	0.540	1.401	1.523	1.678	1.899	2.288	2.698	2.836	3.283
17	0.286	0.324	0.390	0.455	0.543	1.389	1.507	1.657	1.870	2.243	2.633	2.764	3.186
18	0.289	0.327	0.393	0.458	0.546	1.379	1.493	1.639	1.845	2.203	2.576	2.701	3.101
19	0.291	0.330	0.396	0.461	0.549	1.369	1.481	1.623	1.822	2.168	2.526	2.645	3.027
20	0.294	0.333	0.399	0.464	0.551	1.361	1.470	1.608	1.802	2.137	2.482	2.596	2.962
21	0.296	0.335	0.401	0.466	0.554	1.353	1.460	1.595	1.784	2.109	2.442	2.552	2.904
22	0.299	0.338	0.404	0.469	0.556	1.346	1.450	1.583	1.768	2.084	2.407	2.513	2.852
23	0.301	0.340	0.406	0.471	0.558	1.339	1.442	1.572	1.753	2.061	2.374	2.477	2.805
24	0.302	0.342	0.408	0.473	0.560	1.333	1.434	1.562	1.739	2.040	2.345	2.445	2.762
25	0.304	0.344	0.410	0.475	0.561	1.328	1.427	1.553	1.726	2.021	2.318	2.416	2.724
26	0.306	0.346	0.412	0.477	0.563	1.323	1.421	1.544	1.715	2.003	2.294	2.389	2.688
27	0.308	0.347	0.413	0.478	0.564	1.318	1.415	1.536	1.704	1.987	2.271	2.364	2.656
28	0.309	0.349	0.415	0.480	0.566	1.314	1.409	1.529	1.694	1.972	2.251	2.341	2.626
29	0.310	0.350	0.416	0.481	0.567	1.310	1.404	1.522	1.685	1.958	2.231	2.320	2.599
30	0.312	0.352	0.418	0.483	0.568	1.306	1.399	1.516	1.676	1.945	2.213	2.300	2.573
35	0.317	0.358	0.424	0.489	0.574	1.291	1.379	1.490	1.641	1.892	2.140	2.220	2.470
40	0.322	0.362	0.429	0.493	0.578	1.279	1.364	1.470	1.615	1.853	2.086	2.161	2.394
45	0.326	0.366	0.433	0.497	0.582	1.270	1.353	1.455	1.594	1.823	2.045	2.116	2.336
50	0.329	0.369	0.436	0.500	0.584	1.263	1.343	1.443	1.578	1.798	2.012	2.080	2.290
55	0.331	0.372	0.438	0.503	0.587	1.257	1.336	1.433	1.564	1.779	1.986	2.051	2.253
60	0.333	0.374	0.441	0.505	0.589	1.252	1.329	1.425	1.553	1.763	1.964	2.027	2.223
65	0.335	0.376	0.443	0.507	0.590	1.247	1.324	1.418	1.544	1.749	1.945	2.007	2.198
70	0.337	0.378	0.444	0.509	0.592	1.244	1.319	1.412	1.536	1.737	1.929	1.990	2.176
75	0.338	0.379	0.446	0.510	0.593	1.241	1.315	1.407	1.529	1.727	1.916	1.975	2.157
80	0.339	0.380	0.447	0.511	0.594	1.238	1.312	1.402	1.523	1.718	1.904	1.962	2.141
85	0.341	0.381	0.448	0.513	0.595	1.235	1.308	1.398	1.518	1.710	1.893	1.951	2.126
90	0.342	0.382	0.449	0.514	0.596	1.233	1.306	1.394	1.513	1.703	1.884	1.941	2.114
95	0.342	0.383	0.450	0.515	0.597	1.231	1.303	1.391	1.509	1.697	1.876	1.932	2.102
100	0.343	0.384	0.451	0.515	0.598	1.229	1.301	1.388	1.505	1.691	1.868	1.924	2.092
200	0.351	0.393	0.460	0.524	0.605	1.213	1.280	1.361	1.468	1.639	1.798	1.848	1.997
500	0.357	0.398	0.465	0.529	0.610	1.202	1.267	1.344	1.446	1.607	1.757	1.803	1.942

DISTRIBUCION F DE SNEDECOR (20)

GRADOS DE LIBERTAD numerador → 20
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.101	0.124	0.170	0.230	0.336	9.581	15.17	27.24	61.74	248.0	993.1	1552	6209
2	0.143	0.171	0.224	0.286	0.386	3.426	4.432	6.103	9.441	19.45	39.45	49.44	99.43
3	0.172	0.203	0.259	0.323	0.420	2.460	2.983	3.778	5.184	8.660	14.17	16.55	26.69
4	0.193	0.226	0.285	0.349	0.445	2.083	2.445	2.970	3.844	5.803	8.560	9.670	14.02
5	0.210	0.244	0.304	0.369	0.463	1.882	2.166	2.566	3.207	4.558	6.329	7.009	9.553
6	0.224	0.258	0.320	0.385	0.478	1.757	1.995	2.324	2.836	3.874	5.168	5.651	7.396
7	0.235	0.270	0.333	0.398	0.490	1.671	1.879	2.162	2.595	3.445	4.467	4.839	6.155
8	0.245	0.281	0.343	0.409	0.500	1.609	1.796	2.047	2.425	3.150	3.999	4.304	5.359
9	0.253	0.289	0.353	0.418	0.509	1.561	1.732	1.960	2.298	2.936	3.667	3.925	4.808
10	0.260	0.297	0.361	0.426	0.516	1.523	1.682	1.892	2.201	2.774	3.419	3.644	4.405
11	0.266	0.304	0.368	0.433	0.523	1.493	1.642	1.838	2.123	2.646	3.226	3.427	4.099
12	0.272	0.309	0.374	0.439	0.528	1.468	1.609	1.793	2.060	2.544	3.073	3.254	3.858
13	0.277	0.315	0.379	0.445	0.533	1.447	1.581	1.756	2.007	2.459	2.948	3.114	3.665
14	0.281	0.320	0.384	0.449	0.538	1.428	1.557	1.724	1.962	2.388	2.844	2.998	3.505
15	0.286	0.324	0.389	0.454	0.542	1.413	1.537	1.697	1.924	2.328	2.756	2.900	3.372
16	0.289	0.328	0.393	0.458	0.546	1.399	1.519	1.673	1.891	2.276	2.681	2.817	3.259
17	0.293	0.331	0.396	0.462	0.549	1.387	1.503	1.652	1.862	2.230	2.616	2.745	3.162
18	0.296	0.335	0.400	0.465	0.552	1.376	1.489	1.634	1.837	2.191	2.559	2.682	3.077
19	0.299	0.338	0.403	0.468	0.555	1.367	1.477	1.617	1.814	2.155	2.509	2.626	3.003
20	0.301	0.340	0.406	0.471	0.557	1.358	1.466	1.602	1.794	2.124	2.464	2.577	2.938
21	0.304	0.343	0.408	0.473	0.560	1.350	1.455	1.589	1.776	2.096	2.425	2.533	2.880
22	0.306	0.345	0.411	0.476	0.562	1.343	1.446	1.577	1.759	2.071	2.389	2.494	2.827
23	0.308	0.348	0.413	0.478	0.564	1.337	1.438	1.566	1.744	2.048	2.357	2.458	2.781
24	0.310	0.350	0.415	0.480	0.566	1.331	1.430	1.556	1.730	2.027	2.327	2.426	2.738
25	0.312	0.352	0.417	0.482	0.568	1.325	1.423	1.547	1.718	2.007	2.300	2.396	2.699
26	0.314	0.354	0.419	0.484	0.570	1.320	1.417	1.538	1.706	1.990	2.276	2.369	2.664
27	0.316	0.355	0.421	0.486	0.571	1.315	1.411	1.530	1.695	1.974	2.253	2.344	2.632
28	0.317	0.357	0.423	0.487	0.573	1.311	1.405	1.523	1.685	1.959	2.232	2.321	2.602
29	0.319	0.358	0.424	0.489	0.574	1.307	1.400	1.516	1.676	1.945	2.213	2.300	2.574
30	0.320	0.360	0.426	0.490	0.575	1.303	1.395	1.510	1.667	1.932	2.195	2.281	2.549
35	0.326	0.366	0.432	0.497	0.581	1.288	1.375	1.483	1.632	1.878	2.122	2.200	2.445
40	0.331	0.371	0.437	0.502	0.585	1.276	1.360	1.464	1.605	1.839	2.068	2.141	2.369
45	0.335	0.375	0.441	0.505	0.589	1.267	1.348	1.448	1.585	1.808	2.026	2.096	2.311
50	0.338	0.378	0.445	0.509	0.592	1.259	1.338	1.436	1.568	1.784	1.993	2.060	2.265
55	0.341	0.381	0.447	0.511	0.594	1.253	1.331	1.426	1.555	1.764	1.967	2.031	2.228
60	0.343	0.383	0.450	0.514	0.596	1.248	1.324	1.418	1.543	1.748	1.944	2.007	2.198
65	0.345	0.386	0.452	0.516	0.598	1.244	1.319	1.411	1.534	1.734	1.926	1.986	2.172
70	0.347	0.387	0.454	0.518	0.600	1.240	1.314	1.404	1.526	1.722	1.910	1.969	2.150
75	0.348	0.389	0.455	0.519	0.601	1.237	1.310	1.399	1.519	1.712	1.896	1.954	2.132
80	0.349	0.390	0.457	0.520	0.602	1.234	1.306	1.395	1.513	1.703	1.884	1.941	2.115
85	0.351	0.391	0.458	0.522	0.603	1.232	1.303	1.391	1.507	1.695	1.874	1.930	2.101
90	0.352	0.393	0.459	0.523	0.604	1.229	1.300	1.387	1.503	1.688	1.864	1.920	2.088
95	0.353	0.394	0.460	0.524	0.605	1.227	1.298	1.384	1.498	1.682	1.856	1.911	2.077
100	0.354	0.394	0.461	0.525	0.606	1.226	1.295	1.381	1.494	1.676	1.849	1.902	2.067
200	0.362	0.403	0.470	0.533	0.614	1.209	1.274	1.353	1.458	1.623	1.778	1.826	1.971
500	0.368	0.409	0.476	0.539	0.619	1.198	1.261	1.336	1.435	1.592	1.736	1.781	1.915

DISTRIBUCION F DE SNEDECOR (21)

GRADOS DE LIBERTAD numerador → 25
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.106	0.129	0.176	0.236	0.343	9.634	15.25	27.39	62.05	249.3	998.1	1560	6240
2	0.152	0.180	0.233	0.295	0.396	3.436	4.441	6.113	9.451	19.46	39.46	49.45	99.44
3	0.183	0.214	0.271	0.334	0.432	2.463	2.983	3.775	5.175	8.634	14.12	16.49	26.58
4	0.207	0.239	0.298	0.362	0.458	2.083	2.442	2.962	3.828	5.769	8.501	9.601	13.91
5	0.226	0.259	0.320	0.384	0.478	1.880	2.160	2.555	3.187	4.521	6.268	6.940	9.449
6	0.241	0.276	0.337	0.402	0.494	1.753	1.988	2.311	2.815	3.835	5.107	5.581	7.296
7	0.254	0.289	0.351	0.416	0.507	1.667	1.871	2.148	2.571	3.404	4.405	4.769	6.058
8	0.265	0.301	0.363	0.428	0.518	1.603	1.786	2.031	2.400	3.108	3.937	4.233	5.263
9	0.274	0.311	0.374	0.438	0.528	1.555	1.721	1.943	2.272	2.893	3.604	3.854	4.713
10	0.283	0.320	0.383	0.447	0.536	1.517	1.671	1.874	2.174	2.730	3.355	3.573	4.311
11	0.290	0.327	0.391	0.455	0.543	1.486	1.630	1.819	2.095	2.601	3.162	3.355	4.005
12	0.297	0.334	0.398	0.462	0.549	1.460	1.596	1.774	2.031	2.498	3.008	3.183	3.765
13	0.303	0.340	0.404	0.468	0.555	1.438	1.568	1.736	1.978	2.412	2.882	3.042	3.571
14	0.308	0.346	0.410	0.474	0.560	1.420	1.544	1.704	1.933	2.341	2.778	2.926	3.412
15	0.313	0.351	0.415	0.479	0.565	1.404	1.523	1.676	1.894	2.280	2.689	2.827	3.278
16	0.317	0.355	0.419	0.483	0.569	1.390	1.504	1.652	1.860	2.227	2.614	2.744	3.165
17	0.321	0.360	0.424	0.487	0.573	1.377	1.488	1.630	1.831	2.181	2.548	2.671	3.068
18	0.325	0.364	0.428	0.491	0.576	1.366	1.474	1.611	1.805	2.141	2.491	2.608	2.983
19	0.329	0.367	0.431	0.495	0.579	1.356	1.461	1.595	1.782	2.106	2.441	2.552	2.909
20	0.332	0.370	0.435	0.498	0.582	1.348	1.450	1.580	1.761	2.074	2.396	2.502	2.843
21	0.335	0.374	0.438	0.501	0.585	1.340	1.439	1.566	1.742	2.045	2.356	2.458	2.785
22	0.338	0.376	0.441	0.504	0.588	1.332	1.430	1.554	1.726	2.020	2.320	2.418	2.733
23	0.340	0.379	0.443	0.507	0.590	1.326	1.421	1.542	1.710	1.996	2.287	2.382	2.686
24	0.343	0.382	0.446	0.509	0.592	1.319	1.413	1.532	1.696	1.975	2.257	2.350	2.643
25	0.345	0.384	0.448	0.511	0.594	1.314	1.406	1.522	1.683	1.955	2.230	2.320	2.604
26	0.347	0.386	0.451	0.514	0.596	1.309	1.399	1.514	1.671	1.938	2.205	2.293	2.569
27	0.349	0.388	0.453	0.516	0.598	1.304	1.393	1.505	1.660	1.921	2.183	2.268	2.536
28	0.351	0.390	0.455	0.518	0.600	1.299	1.387	1.498	1.650	1.906	2.161	2.244	2.506
29	0.353	0.392	0.457	0.519	0.601	1.295	1.382	1.491	1.640	1.891	2.142	2.223	2.478
30	0.355	0.394	0.458	0.521	0.603	1.291	1.377	1.484	1.632	1.878	2.124	2.203	2.453
35	0.362	0.402	0.466	0.528	0.609	1.275	1.356	1.457	1.595	1.824	2.049	2.122	2.348
40	0.368	0.408	0.472	0.534	0.615	1.263	1.340	1.437	1.568	1.783	1.994	2.062	2.271
45	0.373	0.413	0.477	0.539	0.619	1.253	1.328	1.421	1.546	1.752	1.952	2.016	2.213
50	0.377	0.417	0.481	0.543	0.622	1.245	1.318	1.408	1.529	1.727	1.919	1.979	2.167
55	0.380	0.420	0.484	0.546	0.625	1.239	1.310	1.398	1.515	1.707	1.891	1.950	2.129
60	0.383	0.423	0.487	0.549	0.628	1.234	1.303	1.389	1.504	1.690	1.869	1.925	2.098
65	0.386	0.426	0.490	0.551	0.630	1.229	1.298	1.382	1.494	1.676	1.850	1.904	2.072
70	0.388	0.428	0.492	0.553	0.632	1.225	1.293	1.375	1.486	1.664	1.833	1.887	2.050
75	0.390	0.430	0.494	0.555	0.633	1.222	1.288	1.370	1.478	1.653	1.819	1.872	2.031
80	0.392	0.432	0.496	0.557	0.635	1.219	1.285	1.365	1.472	1.644	1.807	1.858	2.015
85	0.393	0.433	0.497	0.558	0.636	1.216	1.281	1.361	1.466	1.636	1.796	1.847	2.000
90	0.395	0.434	0.499	0.560	0.637	1.214	1.278	1.357	1.461	1.629	1.787	1.836	1.987
95	0.396	0.436	0.500	0.561	0.638	1.212	1.276	1.353	1.457	1.622	1.778	1.827	1.976
100	0.397	0.437	0.501	0.562	0.639	1.210	1.273	1.350	1.453	1.616	1.770	1.819	1.965
200	0.408	0.448	0.512	0.573	0.649	1.192	1.250	1.321	1.414	1.561	1.698	1.740	1.868
500	0.416	0.456	0.520	0.580	0.655	1.181	1.236	1.303	1.391	1.528	1.655	1.694	1.810

DISTRIBUCION F DE SNEDECOR (22)

GRADOS DE LIBERTAD numerador → 30
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.109	0.132	0.180	0.240	0.347	9.670	15.31	27.48	62.26	250.1	1001	1565	6261
2	0.157	0.186	0.239	0.302	0.402	3.443	4.448	6.120	9.458	19.46	39.46	49.46	99.45
3	0.191	0.222	0.279	0.342	0.439	2.465	2.984	3.772	5.168	8.617	14.08	16.45	26.50
4	0.216	0.249	0.308	0.372	0.467	2.082	2.439	2.957	3.817	5.746	8.461	9.554	13.84
5	0.237	0.270	0.330	0.395	0.488	1.878	2.156	2.548	3.174	4.496	6.227	6.893	9.379
6	0.253	0.288	0.349	0.413	0.505	1.751	1.982	2.302	2.800	3.808	5.065	5.534	7.229
7	0.267	0.303	0.364	0.428	0.519	1.663	1.865	2.138	2.555	3.376	4.362	4.722	5.992
8	0.279	0.315	0.377	0.441	0.531	1.600	1.779	2.020	2.383	3.079	3.894	4.186	5.198
9	0.290	0.326	0.388	0.452	0.541	1.551	1.714	1.932	2.255	2.864	3.560	3.806	4.649
10	0.299	0.336	0.398	0.462	0.550	1.512	1.663	1.862	2.155	2.700	3.311	3.525	4.247
11	0.307	0.344	0.407	0.470	0.557	1.481	1.622	1.806	2.076	2.570	3.118	3.307	3.941
12	0.315	0.352	0.415	0.478	0.564	1.454	1.587	1.761	2.011	2.466	2.963	3.134	3.701
13	0.321	0.359	0.422	0.485	0.570	1.432	1.558	1.722	1.958	2.380	2.837	2.993	3.507
14	0.327	0.365	0.428	0.491	0.576	1.414	1.534	1.689	1.912	2.308	2.732	2.876	3.348
15	0.333	0.370	0.433	0.496	0.581	1.397	1.513	1.661	1.873	2.247	2.644	2.777	3.214
16	0.338	0.375	0.439	0.501	0.585	1.383	1.494	1.637	1.839	2.194	2.568	2.693	3.101
17	0.342	0.380	0.443	0.506	0.589	1.370	1.478	1.615	1.809	2.148	2.502	2.620	3.003
18	0.347	0.385	0.448	0.510	0.593	1.359	1.463	1.596	1.783	2.107	2.445	2.557	2.919
19	0.351	0.389	0.452	0.514	0.597	1.349	1.450	1.579	1.759	2.071	2.394	2.501	2.844
20	0.354	0.392	0.456	0.518	0.600	1.340	1.439	1.563	1.738	2.039	2.349	2.451	2.778
21	0.358	0.396	0.459	0.521	0.603	1.332	1.428	1.550	1.719	2.010	2.308	2.406	2.720
22	0.361	0.399	0.462	0.524	0.606	1.324	1.418	1.537	1.702	1.984	2.272	2.366	2.667
23	0.364	0.402	0.465	0.527	0.608	1.318	1.410	1.525	1.686	1.961	2.239	2.330	2.620
24	0.367	0.405	0.468	0.530	0.611	1.311	1.401	1.515	1.672	1.939	2.209	2.297	2.577
25	0.369	0.408	0.471	0.532	0.613	1.306	1.394	1.505	1.659	1.919	2.182	2.267	2.538
26	0.372	0.410	0.473	0.535	0.615	1.300	1.387	1.496	1.647	1.901	2.157	2.240	2.503
27	0.374	0.413	0.476	0.537	0.617	1.295	1.381	1.488	1.636	1.884	2.133	2.214	2.470
28	0.376	0.415	0.478	0.539	0.619	1.291	1.375	1.480	1.625	1.869	2.112	2.191	2.440
29	0.379	0.417	0.480	0.541	0.621	1.286	1.369	1.473	1.616	1.854	2.092	2.169	2.412
30	0.381	0.419	0.482	0.543	0.622	1.282	1.364	1.466	1.606	1.841	2.074	2.149	2.386
35	0.389	0.428	0.491	0.552	0.630	1.266	1.343	1.438	1.569	1.786	1.999	2.067	2.281
40	0.396	0.435	0.498	0.558	0.636	1.253	1.326	1.418	1.541	1.744	1.943	2.006	2.203
45	0.402	0.441	0.503	0.563	0.640	1.243	1.314	1.401	1.519	1.713	1.900	1.960	2.144
50	0.407	0.445	0.508	0.568	0.644	1.235	1.304	1.388	1.502	1.687	1.866	1.923	2.098
55	0.411	0.449	0.512	0.572	0.648	1.228	1.295	1.377	1.487	1.666	1.838	1.893	2.060
60	0.414	0.453	0.515	0.575	0.650	1.223	1.288	1.368	1.476	1.649	1.815	1.868	2.028
65	0.417	0.456	0.518	0.578	0.653	1.218	1.282	1.361	1.465	1.635	1.796	1.847	2.002
70	0.420	0.459	0.521	0.580	0.655	1.214	1.277	1.354	1.457	1.622	1.779	1.829	1.980
75	0.422	0.461	0.523	0.582	0.657	1.211	1.273	1.348	1.449	1.611	1.765	1.813	1.960
80	0.424	0.463	0.525	0.584	0.658	1.208	1.269	1.343	1.443	1.602	1.752	1.800	1.944
85	0.426	0.465	0.527	0.586	0.660	1.205	1.265	1.339	1.437	1.593	1.741	1.788	1.929
90	0.428	0.466	0.529	0.587	0.661	1.202	1.262	1.335	1.432	1.586	1.731	1.777	1.916
95	0.429	0.468	0.530	0.589	0.663	1.200	1.259	1.331	1.427	1.579	1.723	1.768	1.904
100	0.430	0.469	0.531	0.590	0.664	1.198	1.257	1.328	1.423	1.573	1.715	1.759	1.893
200	0.444	0.483	0.545	0.603	0.675	1.179	1.233	1.298	1.383	1.516	1.640	1.679	1.794
500	0.453	0.492	0.554	0.611	0.682	1.168	1.218	1.279	1.358	1.482	1.596	1.631	1.735

DISTRIBUCION F DE SNEDECOR (23)

GRADOS DE LIBERTAD numerador → 35
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.111	0.135	0.182	0.243	0.350	9.695	15.34	27.55	62.42	250.7	1004	1569	6276
2	0.162	0.190	0.244	0.306	0.406	3.448	4.453	6.125	9.463	19.47	39.47	49.47	99.45
3	0.197	0.227	0.284	0.348	0.445	2.466	2.984	3.771	5.163	8.604	14.06	16.42	26.45
4	0.223	0.256	0.315	0.379	0.473	2.082	2.437	2.953	3.810	5.729	8.433	9.521	13.79
5	0.245	0.278	0.338	0.402	0.495	1.877	2.153	2.542	3.165	4.478	6.197	6.859	9.329
6	0.262	0.297	0.358	0.422	0.513	1.749	1.979	2.296	2.789	3.789	5.035	5.500	7.180
7	0.277	0.313	0.374	0.438	0.528	1.661	1.860	2.131	2.544	3.356	4.332	4.688	5.944
8	0.290	0.326	0.387	0.451	0.540	1.597	1.774	2.012	2.371	3.059	3.863	4.151	5.151
9	0.301	0.337	0.399	0.463	0.550	1.547	1.709	1.923	2.242	2.842	3.529	3.772	4.602
10	0.311	0.348	0.410	0.473	0.560	1.508	1.657	1.853	2.142	2.678	3.279	3.490	4.200
11	0.320	0.357	0.419	0.482	0.568	1.477	1.615	1.797	2.062	2.548	3.086	3.272	3.895
12	0.328	0.365	0.427	0.490	0.575	1.450	1.581	1.751	1.997	2.443	2.931	3.098	3.654
13	0.335	0.372	0.435	0.497	0.581	1.428	1.552	1.712	1.943	2.357	2.805	2.957	3.461
14	0.342	0.379	0.441	0.504	0.587	1.409	1.527	1.679	1.897	2.284	2.699	2.840	3.301
15	0.348	0.385	0.447	0.509	0.592	1.392	1.505	1.651	1.857	2.223	2.610	2.741	3.167
16	0.353	0.391	0.453	0.515	0.597	1.378	1.487	1.626	1.823	2.169	2.534	2.656	3.054
17	0.358	0.396	0.458	0.520	0.602	1.365	1.470	1.604	1.793	2.123	2.468	2.583	2.956
18	0.363	0.401	0.463	0.524	0.606	1.354	1.455	1.584	1.766	2.082	2.410	2.519	2.871
19	0.367	0.405	0.467	0.528	0.609	1.344	1.442	1.567	1.743	2.046	2.359	2.463	2.797
20	0.371	0.409	0.471	0.532	0.613	1.335	1.430	1.552	1.721	2.013	2.314	2.413	2.731
21	0.375	0.413	0.475	0.536	0.616	1.326	1.419	1.538	1.702	1.984	2.273	2.368	2.672
22	0.379	0.416	0.479	0.539	0.619	1.319	1.410	1.525	1.685	1.958	2.237	2.328	2.620
23	0.382	0.420	0.482	0.543	0.622	1.312	1.401	1.513	1.669	1.934	2.204	2.292	2.572
24	0.385	0.423	0.485	0.545	0.624	1.305	1.392	1.502	1.654	1.912	2.173	2.259	2.529
25	0.388	0.426	0.488	0.548	0.627	1.299	1.385	1.492	1.641	1.892	2.146	2.228	2.490
26	0.391	0.429	0.491	0.551	0.629	1.294	1.378	1.483	1.629	1.874	2.120	2.201	2.454
27	0.393	0.431	0.493	0.553	0.631	1.289	1.371	1.475	1.617	1.857	2.097	2.175	2.421
28	0.396	0.434	0.496	0.556	0.634	1.284	1.365	1.467	1.607	1.841	2.076	2.152	2.391
29	0.398	0.436	0.498	0.558	0.635	1.280	1.360	1.460	1.597	1.827	2.056	2.130	2.363
30	0.401	0.438	0.500	0.560	0.637	1.276	1.354	1.453	1.588	1.813	2.037	2.110	2.337
35	0.410	0.448	0.510	0.569	0.645	1.258	1.332	1.424	1.550	1.757	1.961	2.027	2.231
40	0.418	0.456	0.518	0.576	0.652	1.245	1.316	1.403	1.521	1.715	1.905	1.965	2.153
45	0.424	0.462	0.524	0.582	0.657	1.235	1.303	1.386	1.499	1.683	1.861	1.918	2.093
50	0.430	0.468	0.529	0.587	0.661	1.227	1.292	1.373	1.481	1.657	1.827	1.881	2.046
55	0.434	0.472	0.533	0.591	0.665	1.220	1.284	1.362	1.466	1.636	1.799	1.850	2.008
60	0.438	0.476	0.537	0.595	0.668	1.215	1.277	1.353	1.454	1.618	1.775	1.825	1.976
65	0.442	0.480	0.541	0.598	0.670	1.210	1.270	1.345	1.444	1.603	1.755	1.803	1.950
70	0.445	0.483	0.543	0.601	0.673	1.206	1.265	1.338	1.435	1.591	1.739	1.785	1.927
75	0.447	0.485	0.546	0.603	0.675	1.202	1.261	1.332	1.427	1.580	1.724	1.769	1.907
80	0.450	0.488	0.548	0.605	0.677	1.199	1.256	1.327	1.420	1.570	1.711	1.755	1.890
85	0.452	0.490	0.550	0.607	0.678	1.196	1.253	1.322	1.414	1.561	1.700	1.743	1.875
90	0.454	0.492	0.552	0.609	0.680	1.194	1.250	1.318	1.409	1.554	1.690	1.733	1.862
95	0.455	0.493	0.554	0.610	0.681	1.191	1.247	1.314	1.404	1.547	1.681	1.723	1.850
100	0.457	0.495	0.555	0.612	0.682	1.189	1.244	1.311	1.400	1.541	1.673	1.714	1.839
200	0.473	0.511	0.571	0.626	0.695	1.170	1.219	1.279	1.358	1.482	1.597	1.632	1.738
500	0.484	0.521	0.581	0.635	0.703	1.157	1.204	1.260	1.333	1.447	1.551	1.583	1.678

DISTRIBUCION F DE SNEDECOR (24)

GRADOS DE LIBERTAD numerador → 40
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.113	0.137	0.184	0.245	0.353	9.714	15.37	27.60	62.53	251.1	1006	1571	6287
2	0.165	0.193	0.247	0.309	0.410	3.451	4.456	6.128	9.466	19.47	39.47	49.47	99.46
3	0.201	0.232	0.289	0.352	0.449	2.467	2.984	3.770	5.160	8.594	14.04	16.39	26.41
4	0.229	0.261	0.320	0.384	0.478	2.082	2.436	2.950	3.804	5.717	8.411	9.495	13.75
5	0.251	0.285	0.344	0.408	0.501	1.876	2.151	2.538	3.157	4.464	6.175	6.833	9.291
6	0.269	0.304	0.364	0.428	0.519	1.748	1.976	2.291	2.781	3.774	5.012	5.474	7.143
7	0.285	0.320	0.381	0.445	0.534	1.659	1.857	2.125	2.535	3.340	4.309	4.662	5.908
8	0.299	0.334	0.395	0.459	0.547	1.595	1.770	2.006	2.361	3.043	3.840	4.125	5.116
9	0.310	0.346	0.408	0.471	0.558	1.545	1.704	1.917	2.232	2.826	3.505	3.745	4.567
10	0.321	0.357	0.419	0.481	0.567	1.506	1.653	1.846	2.132	2.661	3.255	3.463	4.165
11	0.330	0.367	0.428	0.491	0.576	1.474	1.611	1.790	2.052	2.531	3.061	3.245	3.860
12	0.339	0.375	0.437	0.499	0.583	1.447	1.576	1.743	1.986	2.426	2.906	3.071	3.619
13	0.346	0.383	0.445	0.507	0.590	1.425	1.546	1.704	1.931	2.339	2.780	2.930	3.425
14	0.353	0.390	0.452	0.513	0.596	1.405	1.521	1.671	1.885	2.266	2.674	2.812	3.266
15	0.360	0.397	0.458	0.520	0.602	1.389	1.500	1.642	1.845	2.204	2.585	2.713	3.132
16	0.365	0.403	0.464	0.525	0.607	1.374	1.481	1.617	1.811	2.151	2.509	2.628	3.018
17	0.371	0.408	0.470	0.530	0.611	1.361	1.464	1.595	1.781	2.104	2.442	2.555	2.920
18	0.376	0.413	0.475	0.535	0.615	1.350	1.449	1.576	1.754	2.063	2.384	2.491	2.835
19	0.381	0.418	0.479	0.540	0.619	1.339	1.436	1.558	1.730	2.026	2.333	2.434	2.761
20	0.385	0.422	0.484	0.544	0.623	1.330	1.424	1.542	1.708	1.994	2.287	2.384	2.695
21	0.389	0.426	0.488	0.548	0.626	1.322	1.413	1.528	1.689	1.965	2.246	2.339	2.636
22	0.393	0.430	0.491	0.551	0.630	1.314	1.403	1.515	1.671	1.938	2.210	2.299	2.583
23	0.396	0.434	0.495	0.555	0.633	1.307	1.394	1.503	1.655	1.914	2.176	2.262	2.535
24	0.400	0.437	0.498	0.558	0.635	1.300	1.385	1.493	1.641	1.892	2.146	2.229	2.492
25	0.403	0.440	0.501	0.561	0.638	1.294	1.378	1.483	1.627	1.872	2.118	2.199	2.453
26	0.406	0.443	0.504	0.564	0.640	1.289	1.371	1.473	1.615	1.853	2.093	2.171	2.417
27	0.409	0.446	0.507	0.566	0.643	1.284	1.364	1.465	1.603	1.836	2.069	2.145	2.384
28	0.411	0.449	0.510	0.569	0.645	1.279	1.358	1.457	1.592	1.820	2.048	2.121	2.354
29	0.414	0.451	0.512	0.571	0.647	1.275	1.352	1.449	1.583	1.806	2.028	2.099	2.325
30	0.416	0.454	0.515	0.573	0.649	1.270	1.347	1.442	1.573	1.792	2.009	2.079	2.299
35	0.427	0.464	0.525	0.583	0.657	1.253	1.325	1.414	1.535	1.735	1.932	1.995	2.193
40	0.436	0.473	0.533	0.591	0.664	1.240	1.308	1.392	1.506	1.693	1.875	1.933	2.114
45	0.443	0.480	0.540	0.597	0.670	1.229	1.294	1.375	1.483	1.660	1.831	1.886	2.054
50	0.449	0.486	0.546	0.602	0.674	1.221	1.284	1.361	1.465	1.634	1.796	1.848	2.007
55	0.454	0.491	0.551	0.607	0.678	1.214	1.275	1.350	1.450	1.612	1.768	1.817	1.968
60	0.458	0.495	0.555	0.611	0.682	1.208	1.267	1.340	1.437	1.594	1.744	1.791	1.936
65	0.462	0.499	0.558	0.614	0.685	1.203	1.261	1.332	1.427	1.579	1.724	1.770	1.909
70	0.465	0.502	0.561	0.617	0.687	1.199	1.256	1.325	1.418	1.566	1.707	1.751	1.886
75	0.468	0.505	0.564	0.620	0.689	1.195	1.251	1.319	1.410	1.555	1.692	1.735	1.866
80	0.471	0.508	0.567	0.622	0.691	1.192	1.247	1.314	1.403	1.545	1.679	1.721	1.849
85	0.473	0.510	0.569	0.624	0.693	1.189	1.243	1.309	1.397	1.536	1.668	1.709	1.834
90	0.475	0.512	0.571	0.626	0.695	1.186	1.240	1.305	1.391	1.528	1.657	1.698	1.820
95	0.477	0.514	0.573	0.628	0.696	1.184	1.237	1.301	1.386	1.521	1.648	1.688	1.808
100	0.479	0.516	0.575	0.629	0.698	1.182	1.234	1.298	1.382	1.515	1.640	1.679	1.797
200	0.497	0.534	0.592	0.645	0.711	1.162	1.208	1.265	1.339	1.455	1.562	1.595	1.694
500	0.509	0.546	0.603	0.655	0.720	1.149	1.193	1.245	1.313	1.419	1.515	1.545	1.633

DISTRIBUCION F DE SNEDECOR (25)

GRADOS DE LIBERTAD numerador → 50
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.116	0.139	0.187	0.248	0.356	9.741	15.42	27.67	62.69	251.8	1008	1575	6303
2	0.169	0.198	0.252	0.314	0.415	3.456	4.461	6.133	9.471	19.48	39.48	49.47	99.46
3	0.207	0.238	0.295	0.358	0.455	2.469	2.984	3.768	5.155	8.581	14.01	16.36	26.35
4	0.236	0.269	0.327	0.391	0.485	2.082	2.434	2.945	3.795	5.699	8.381	9.460	13.69
5	0.260	0.293	0.353	0.417	0.509	1.875	2.148	2.532	3.147	4.444	6.144	6.797	9.238
6	0.279	0.314	0.374	0.437	0.528	1.746	1.972	2.284	2.770	3.754	4.980	5.438	7.091
7	0.296	0.331	0.392	0.455	0.543	1.657	1.852	2.117	2.523	3.319	4.276	4.625	5.858
8	0.311	0.346	0.407	0.470	0.557	1.591	1.765	1.998	2.348	3.020	3.807	4.088	5.065
9	0.323	0.359	0.420	0.482	0.568	1.541	1.698	1.907	2.218	2.803	3.472	3.708	4.517
10	0.335	0.371	0.432	0.494	0.578	1.502	1.646	1.837	2.117	2.637	3.221	3.425	4.115
11	0.345	0.381	0.442	0.504	0.587	1.469	1.604	1.780	2.036	2.507	3.027	3.207	3.810
12	0.354	0.390	0.451	0.512	0.595	1.443	1.568	1.733	1.970	2.401	2.871	3.033	3.569
13	0.362	0.399	0.460	0.520	0.602	1.420	1.539	1.693	1.915	2.314	2.744	2.891	3.375
14	0.370	0.406	0.467	0.528	0.609	1.400	1.513	1.660	1.869	2.241	2.638	2.773	3.215
15	0.377	0.413	0.474	0.534	0.615	1.383	1.491	1.631	1.828	2.178	2.549	2.674	3.081
16	0.383	0.420	0.481	0.540	0.620	1.369	1.472	1.605	1.793	2.124	2.472	2.589	2.967
17	0.389	0.426	0.486	0.546	0.625	1.355	1.455	1.583	1.763	2.077	2.405	2.515	2.869
18	0.395	0.431	0.492	0.551	0.630	1.344	1.440	1.563	1.736	2.035	2.347	2.450	2.784
19	0.400	0.437	0.497	0.556	0.634	1.333	1.427	1.545	1.711	1.999	2.295	2.394	2.709
20	0.405	0.441	0.502	0.560	0.638	1.324	1.414	1.529	1.690	1.966	2.249	2.343	2.643
21	0.409	0.446	0.506	0.565	0.641	1.315	1.403	1.515	1.670	1.936	2.208	2.298	2.584
22	0.414	0.450	0.510	0.569	0.645	1.307	1.393	1.501	1.652	1.909	2.171	2.257	2.531
23	0.418	0.454	0.514	0.572	0.648	1.300	1.384	1.489	1.636	1.885	2.137	2.220	2.483
24	0.421	0.458	0.518	0.576	0.651	1.293	1.375	1.478	1.621	1.863	2.107	2.187	2.440
25	0.425	0.462	0.521	0.579	0.654	1.287	1.367	1.468	1.607	1.842	2.079	2.156	2.400
26	0.428	0.465	0.524	0.582	0.657	1.282	1.360	1.459	1.594	1.823	2.053	2.128	2.364
27	0.432	0.468	0.528	0.585	0.659	1.276	1.353	1.450	1.583	1.806	2.029	2.102	2.330
28	0.435	0.471	0.530	0.588	0.661	1.271	1.347	1.442	1.572	1.790	2.007	2.078	2.300
29	0.437	0.474	0.533	0.590	0.664	1.267	1.341	1.434	1.562	1.775	1.987	2.056	2.271
30	0.440	0.477	0.536	0.593	0.666	1.263	1.336	1.427	1.552	1.761	1.968	2.035	2.245
35	0.452	0.489	0.547	0.603	0.675	1.245	1.313	1.398	1.513	1.703	1.890	1.950	2.137
40	0.462	0.498	0.557	0.612	0.683	1.231	1.295	1.375	1.483	1.660	1.832	1.887	2.058
45	0.470	0.506	0.564	0.619	0.689	1.220	1.282	1.358	1.460	1.626	1.788	1.839	1.997
50	0.477	0.513	0.571	0.625	0.694	1.212	1.271	1.343	1.441	1.599	1.752	1.800	1.949
55	0.483	0.519	0.576	0.630	0.698	1.204	1.261	1.332	1.426	1.577	1.723	1.769	1.910
60	0.488	0.524	0.581	0.635	0.702	1.198	1.254	1.322	1.413	1.559	1.699	1.743	1.877
65	0.492	0.528	0.585	0.638	0.705	1.193	1.247	1.313	1.402	1.543	1.678	1.720	1.850
70	0.496	0.532	0.589	0.642	0.708	1.189	1.242	1.306	1.392	1.530	1.660	1.701	1.826
75	0.500	0.535	0.592	0.645	0.711	1.185	1.237	1.300	1.384	1.518	1.645	1.685	1.806
80	0.503	0.538	0.595	0.647	0.713	1.181	1.232	1.294	1.377	1.508	1.632	1.671	1.788
85	0.506	0.541	0.597	0.650	0.715	1.178	1.228	1.289	1.370	1.499	1.620	1.658	1.773
90	0.508	0.544	0.600	0.652	0.717	1.176	1.225	1.285	1.365	1.491	1.610	1.647	1.759
95	0.510	0.546	0.602	0.654	0.719	1.173	1.222	1.281	1.359	1.484	1.600	1.636	1.746
100	0.512	0.548	0.604	0.656	0.720	1.171	1.219	1.278	1.355	1.477	1.592	1.627	1.735
200	0.534	0.569	0.624	0.674	0.736	1.149	1.192	1.243	1.310	1.415	1.511	1.540	1.629
500	0.549	0.584	0.637	0.686	0.746	1.136	1.175	1.222	1.282	1.376	1.462	1.488	1.566

DISTRIBUCION F DE SNEDECOR (26)

GRADOS DE LIBERTAD numerador → 60
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.118	0.141	0.189	0.250	0.358	9.759	15.44	27.72	62.79	252.2	1010	1578	6313
2	0.173	0.201	0.255	0.317	0.418	3.459	4.465	6.136	9.474	19.48	39.48	49.48	99.47
3	0.211	0.242	0.299	0.363	0.459	2.470	2.984	3.767	5.151	8.572	13.99	16.34	26.32
4	0.242	0.274	0.332	0.396	0.490	2.082	2.433	2.942	3.790	5.688	8.360	9.436	13.65
5	0.266	0.300	0.359	0.422	0.514	1.874	2.146	2.528	3.140	4.431	6.123	6.773	9.202
6	0.286	0.321	0.381	0.444	0.533	1.744	1.969	2.279	2.762	3.740	4.959	5.413	7.057
7	0.304	0.339	0.399	0.462	0.550	1.655	1.849	2.112	2.514	3.304	4.254	4.601	5.824
8	0.319	0.354	0.415	0.477	0.563	1.589	1.761	1.992	2.339	3.005	3.784	4.063	5.032
9	0.332	0.368	0.428	0.490	0.575	1.539	1.694	1.901	2.208	2.787	3.449	3.683	4.483
10	0.344	0.380	0.440	0.502	0.586	1.499	1.642	1.830	2.107	2.621	3.198	3.400	4.082
11	0.355	0.391	0.451	0.512	0.595	1.466	1.599	1.773	2.026	2.490	3.004	3.181	3.776
12	0.365	0.401	0.461	0.522	0.603	1.439	1.564	1.725	1.960	2.384	2.848	3.007	3.535
13	0.374	0.410	0.470	0.530	0.611	1.416	1.534	1.686	1.904	2.297	2.720	2.865	3.341
14	0.382	0.418	0.478	0.538	0.618	1.397	1.508	1.652	1.857	2.223	2.614	2.747	3.181
15	0.389	0.425	0.485	0.545	0.624	1.380	1.486	1.622	1.817	2.160	2.524	2.647	3.047
16	0.396	0.432	0.492	0.551	0.629	1.365	1.466	1.597	1.782	2.106	2.447	2.561	2.933
17	0.402	0.438	0.498	0.557	0.635	1.351	1.449	1.574	1.751	2.058	2.380	2.487	2.835
18	0.408	0.444	0.504	0.562	0.639	1.340	1.434	1.554	1.723	2.017	2.321	2.423	2.749
19	0.414	0.450	0.509	0.567	0.644	1.329	1.420	1.536	1.699	1.980	2.270	2.366	2.674
20	0.419	0.455	0.514	0.572	0.648	1.319	1.408	1.520	1.677	1.946	2.223	2.315	2.608
21	0.424	0.460	0.519	0.577	0.652	1.311	1.397	1.505	1.657	1.916	2.182	2.269	2.548
22	0.428	0.464	0.523	0.581	0.655	1.303	1.386	1.492	1.639	1.889	2.145	2.228	2.495
23	0.433	0.469	0.528	0.585	0.659	1.295	1.377	1.480	1.622	1.865	2.111	2.191	2.447
24	0.437	0.473	0.531	0.588	0.662	1.289	1.368	1.469	1.607	1.842	2.080	2.157	2.403
25	0.441	0.477	0.535	0.592	0.665	1.282	1.360	1.458	1.593	1.822	2.052	2.127	2.364
26	0.444	0.480	0.539	0.595	0.668	1.277	1.353	1.449	1.581	1.803	2.026	2.098	2.327
27	0.448	0.484	0.542	0.598	0.670	1.271	1.346	1.440	1.569	1.785	2.002	2.072	2.294
28	0.451	0.487	0.545	0.601	0.673	1.266	1.340	1.431	1.558	1.769	1.980	2.048	2.263
29	0.454	0.490	0.548	0.604	0.675	1.262	1.334	1.424	1.547	1.754	1.959	2.026	2.234
30	0.457	0.493	0.551	0.606	0.678	1.257	1.328	1.417	1.538	1.740	1.940	2.005	2.208
35	0.470	0.506	0.563	0.618	0.688	1.239	1.305	1.386	1.497	1.681	1.861	1.919	2.099
40	0.481	0.517	0.573	0.627	0.696	1.225	1.287	1.363	1.467	1.637	1.803	1.856	2.019
45	0.490	0.525	0.582	0.635	0.702	1.214	1.273	1.345	1.443	1.603	1.757	1.806	1.958
50	0.498	0.533	0.589	0.641	0.708	1.205	1.261	1.331	1.424	1.576	1.721	1.767	1.909
55	0.504	0.539	0.595	0.647	0.713	1.197	1.252	1.319	1.408	1.553	1.692	1.735	1.869
60	0.510	0.545	0.600	0.652	0.717	1.191	1.244	1.309	1.395	1.534	1.667	1.709	1.836
65	0.515	0.549	0.605	0.656	0.720	1.186	1.237	1.300	1.384	1.518	1.646	1.686	1.808
70	0.519	0.554	0.609	0.660	0.723	1.181	1.232	1.293	1.374	1.505	1.628	1.667	1.785
75	0.523	0.557	0.612	0.663	0.726	1.177	1.226	1.286	1.366	1.493	1.612	1.650	1.764
80	0.526	0.561	0.615	0.666	0.729	1.174	1.222	1.281	1.358	1.482	1.599	1.635	1.746
85	0.530	0.564	0.618	0.668	0.731	1.171	1.218	1.275	1.352	1.473	1.587	1.622	1.730
90	0.532	0.567	0.621	0.671	0.733	1.168	1.214	1.271	1.346	1.465	1.576	1.611	1.716
95	0.535	0.569	0.623	0.673	0.735	1.165	1.211	1.267	1.340	1.457	1.566	1.600	1.703
100	0.537	0.572	0.625	0.675	0.737	1.163	1.208	1.263	1.336	1.450	1.558	1.591	1.692
200	0.562	0.596	0.648	0.696	0.754	1.140	1.180	1.227	1.289	1.386	1.474	1.501	1.583
500	0.580	0.612	0.663	0.710	0.766	1.126	1.162	1.205	1.260	1.345	1.423	1.447	1.517

DISTRIBUCION F DE SNEDECOR (27)

GRADOS DE LIBERTAD numerador → 70
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.119	0.143	0.191	0.251	0.360	9.772	15.46	27.75	62.87	252.5	1011	1580	6321
2	0.175	0.203	0.257	0.320	0.420	3.462	4.467	6.139	9.477	19.48	39.48	49.48	99.47
3	0.215	0.245	0.302	0.366	0.462	2.470	2.984	3.766	5.149	8.566	13.98	16.32	26.29
4	0.245	0.278	0.336	0.400	0.493	2.082	2.432	2.940	3.786	5.679	8.346	9.419	13.63
5	0.270	0.304	0.363	0.426	0.518	1.874	2.144	2.525	3.135	4.422	6.107	6.755	9.176
6	0.291	0.326	0.385	0.448	0.538	1.743	1.967	2.276	2.756	3.730	4.943	5.396	7.032
7	0.309	0.344	0.404	0.467	0.554	1.654	1.846	2.108	2.508	3.294	4.239	4.583	5.799
8	0.325	0.360	0.420	0.482	0.568	1.588	1.758	1.988	2.333	2.994	3.768	4.046	5.007
9	0.339	0.374	0.434	0.496	0.581	1.537	1.691	1.897	2.202	2.776	3.433	3.665	4.459
10	0.351	0.387	0.447	0.508	0.591	1.497	1.639	1.825	2.100	2.610	3.182	3.382	4.058
11	0.362	0.398	0.458	0.519	0.601	1.464	1.596	1.768	2.019	2.478	2.987	3.163	3.752
12	0.373	0.408	0.468	0.528	0.609	1.437	1.560	1.720	1.952	2.372	2.831	2.988	3.511
13	0.382	0.417	0.477	0.537	0.617	1.414	1.530	1.680	1.896	2.284	2.703	2.846	3.317
14	0.390	0.426	0.486	0.545	0.624	1.394	1.504	1.646	1.849	2.210	2.597	2.727	3.157
15	0.398	0.434	0.493	0.552	0.630	1.377	1.482	1.617	1.808	2.147	2.506	2.627	3.022
16	0.405	0.441	0.500	0.559	0.636	1.362	1.462	1.591	1.773	2.093	2.429	2.542	2.908
17	0.412	0.448	0.507	0.565	0.641	1.348	1.445	1.568	1.742	2.045	2.362	2.468	2.810
18	0.418	0.454	0.513	0.570	0.646	1.336	1.429	1.548	1.714	2.003	2.303	2.403	2.724
19	0.424	0.460	0.518	0.576	0.651	1.326	1.416	1.530	1.690	1.966	2.251	2.345	2.649
20	0.429	0.465	0.524	0.581	0.655	1.316	1.403	1.513	1.667	1.932	2.205	2.294	2.582
21	0.434	0.470	0.528	0.585	0.659	1.307	1.392	1.499	1.647	1.902	2.163	2.249	2.523
22	0.439	0.475	0.533	0.590	0.663	1.299	1.381	1.485	1.629	1.875	2.125	2.208	2.469
23	0.444	0.479	0.537	0.594	0.667	1.292	1.372	1.473	1.613	1.850	2.091	2.170	2.421
24	0.448	0.484	0.542	0.597	0.670	1.285	1.363	1.461	1.597	1.828	2.060	2.136	2.377
25	0.452	0.488	0.545	0.601	0.673	1.279	1.355	1.451	1.583	1.807	2.032	2.105	2.337
26	0.456	0.492	0.549	0.604	0.676	1.273	1.347	1.441	1.570	1.788	2.006	2.077	2.301
27	0.460	0.495	0.553	0.608	0.679	1.267	1.341	1.432	1.558	1.770	1.982	2.050	2.267
28	0.463	0.499	0.556	0.611	0.682	1.262	1.334	1.424	1.547	1.754	1.959	2.026	2.236
29	0.467	0.502	0.559	0.614	0.684	1.258	1.328	1.416	1.537	1.738	1.939	2.004	2.207
30	0.470	0.505	0.562	0.617	0.686	1.253	1.322	1.409	1.527	1.724	1.920	1.983	2.181
35	0.484	0.519	0.575	0.629	0.697	1.234	1.299	1.378	1.486	1.665	1.840	1.896	2.072
40	0.495	0.530	0.586	0.639	0.705	1.220	1.280	1.355	1.455	1.621	1.781	1.832	1.991
45	0.505	0.540	0.595	0.647	0.712	1.209	1.266	1.337	1.431	1.586	1.735	1.783	1.929
50	0.513	0.548	0.602	0.654	0.718	1.200	1.255	1.322	1.412	1.558	1.698	1.743	1.880
55	0.520	0.554	0.609	0.660	0.723	1.192	1.245	1.309	1.396	1.535	1.668	1.710	1.839
60	0.526	0.560	0.614	0.665	0.728	1.186	1.237	1.299	1.382	1.516	1.643	1.683	1.806
65	0.532	0.566	0.619	0.669	0.732	1.180	1.230	1.290	1.371	1.500	1.622	1.660	1.778
70	0.536	0.570	0.624	0.673	0.735	1.176	1.224	1.283	1.361	1.486	1.604	1.641	1.754
75	0.541	0.574	0.627	0.677	0.738	1.172	1.219	1.276	1.352	1.473	1.588	1.624	1.733
80	0.544	0.578	0.631	0.680	0.741	1.168	1.214	1.270	1.344	1.463	1.574	1.609	1.714
85	0.548	0.581	0.634	0.683	0.743	1.165	1.210	1.265	1.338	1.453	1.562	1.596	1.698
90	0.551	0.584	0.637	0.685	0.745	1.162	1.206	1.260	1.332	1.445	1.551	1.584	1.684
95	0.554	0.587	0.639	0.688	0.747	1.159	1.203	1.256	1.326	1.437	1.541	1.573	1.671
100	0.557	0.590	0.642	0.690	0.749	1.157	1.200	1.252	1.321	1.430	1.532	1.564	1.659
200	0.584	0.617	0.667	0.712	0.768	1.133	1.171	1.215	1.273	1.364	1.447	1.472	1.548
500	0.604	0.635	0.684	0.728	0.781	1.119	1.152	1.191	1.243	1.322	1.394	1.416	1.481

DISTRIBUCION F DE SNEDECOR (28)

GRADOS DE LIBERTAD numerador → 80
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.120	0.144	0.192	0.253	0.361	9.782	15.48	27.78	62.93	252.7	1012	1581	6326
2	0.177	0.205	0.259	0.321	0.422	3.464	4.469	6.141	9.479	19.48	39.48	49.48	99.47
3	0.217	0.248	0.304	0.368	0.464	2.471	2.984	3.765	5.147	8.561	13.97	16.31	26.27
4	0.248	0.281	0.339	0.402	0.496	2.081	2.431	2.939	3.782	5.673	8.335	9.406	13.61
5	0.274	0.307	0.366	0.429	0.521	1.873	2.143	2.523	3.132	4.415	6.096	6.742	9.157
6	0.295	0.329	0.389	0.452	0.541	1.742	1.965	2.273	2.752	3.722	4.932	5.383	7.013
7	0.314	0.348	0.408	0.470	0.558	1.653	1.844	2.105	2.504	3.286	4.227	4.570	5.781
8	0.330	0.365	0.425	0.486	0.572	1.586	1.756	1.985	2.328	2.986	3.756	4.032	4.989
9	0.344	0.379	0.439	0.500	0.584	1.536	1.689	1.893	2.196	2.768	3.421	3.651	4.441
10	0.357	0.392	0.452	0.512	0.595	1.495	1.636	1.822	2.095	2.601	3.169	3.368	4.039
11	0.368	0.404	0.463	0.523	0.605	1.463	1.593	1.764	2.013	2.469	2.974	3.149	3.734
12	0.379	0.414	0.474	0.533	0.614	1.435	1.557	1.716	1.946	2.363	2.818	2.974	3.493
13	0.388	0.424	0.483	0.542	0.622	1.412	1.527	1.676	1.890	2.275	2.690	2.831	3.298
14	0.397	0.432	0.492	0.550	0.629	1.392	1.501	1.642	1.843	2.201	2.583	2.713	3.138
15	0.405	0.440	0.499	0.558	0.635	1.375	1.479	1.612	1.802	2.137	2.493	2.613	3.004
16	0.412	0.448	0.507	0.564	0.641	1.360	1.459	1.586	1.766	2.083	2.415	2.527	2.889
17	0.419	0.455	0.513	0.571	0.647	1.346	1.441	1.563	1.735	2.035	2.348	2.453	2.791
18	0.426	0.461	0.519	0.577	0.652	1.334	1.426	1.543	1.707	1.993	2.289	2.388	2.705
19	0.432	0.467	0.525	0.582	0.657	1.323	1.412	1.525	1.683	1.955	2.237	2.330	2.630
20	0.437	0.473	0.531	0.587	0.661	1.313	1.399	1.508	1.660	1.922	2.190	2.279	2.563
21	0.443	0.478	0.536	0.592	0.665	1.305	1.388	1.493	1.640	1.891	2.148	2.233	2.503
22	0.448	0.483	0.541	0.596	0.669	1.296	1.377	1.480	1.622	1.864	2.111	2.192	2.450
23	0.453	0.488	0.545	0.601	0.673	1.289	1.368	1.467	1.605	1.839	2.077	2.154	2.401
24	0.457	0.492	0.549	0.605	0.676	1.282	1.359	1.456	1.590	1.816	2.045	2.120	2.357
25	0.461	0.496	0.553	0.608	0.679	1.276	1.351	1.445	1.576	1.796	2.017	2.089	2.317
26	0.465	0.500	0.557	0.612	0.682	1.270	1.343	1.436	1.562	1.776	1.991	2.060	2.281
27	0.469	0.504	0.561	0.615	0.685	1.264	1.336	1.426	1.550	1.758	1.966	2.034	2.247
28	0.473	0.508	0.564	0.618	0.688	1.259	1.330	1.418	1.539	1.742	1.944	2.010	2.216
29	0.476	0.511	0.568	0.621	0.691	1.254	1.324	1.410	1.529	1.726	1.923	1.987	2.187
30	0.480	0.515	0.571	0.624	0.693	1.250	1.318	1.403	1.519	1.712	1.904	1.966	2.160
35	0.494	0.529	0.584	0.637	0.704	1.231	1.294	1.372	1.478	1.652	1.824	1.879	2.050
40	0.507	0.541	0.596	0.647	0.713	1.217	1.276	1.348	1.447	1.608	1.764	1.814	1.969
45	0.517	0.551	0.605	0.656	0.720	1.205	1.261	1.330	1.422	1.573	1.718	1.764	1.907
50	0.525	0.559	0.613	0.663	0.726	1.196	1.249	1.315	1.402	1.544	1.681	1.724	1.857
55	0.533	0.566	0.620	0.669	0.732	1.188	1.239	1.302	1.386	1.521	1.651	1.691	1.817
60	0.539	0.573	0.626	0.675	0.736	1.182	1.231	1.292	1.372	1.502	1.625	1.664	1.783
65	0.545	0.578	0.631	0.679	0.740	1.176	1.224	1.283	1.360	1.485	1.604	1.641	1.754
70	0.550	0.583	0.635	0.684	0.744	1.171	1.218	1.275	1.350	1.471	1.585	1.621	1.730
75	0.555	0.588	0.639	0.687	0.747	1.167	1.213	1.268	1.341	1.459	1.569	1.604	1.709
80	0.559	0.592	0.643	0.691	0.750	1.163	1.208	1.262	1.334	1.448	1.555	1.588	1.690
85	0.563	0.595	0.646	0.694	0.752	1.160	1.204	1.257	1.327	1.438	1.542	1.575	1.674
90	0.566	0.599	0.650	0.697	0.755	1.157	1.200	1.252	1.321	1.429	1.531	1.563	1.659
95	0.569	0.602	0.652	0.699	0.757	1.154	1.197	1.248	1.315	1.422	1.521	1.552	1.646
100	0.572	0.604	0.655	0.701	0.759	1.152	1.194	1.244	1.310	1.415	1.512	1.543	1.634
200	0.602	0.633	0.681	0.725	0.779	1.128	1.163	1.205	1.261	1.346	1.425	1.449	1.521
500	0.623	0.654	0.700	0.742	0.793	1.113	1.144	1.181	1.229	1.303	1.370	1.391	1.452

GRADOS DE LIBERTAD numerador → 90
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.121	0.144	0.192	0.253	0.362	9.789	15.49	27.80	62.97	252.9	1013	1582	6331
2	0.178	0.206	0.260	0.323	0.423	3.465	4.470	6.142	9.480	19.48	39.48	49.48	99.47
3	0.219	0.250	0.306	0.370	0.466	2.471	2.984	3.765	5.145	8.557	13.96	16.30	26.25
4	0.250	0.283	0.341	0.404	0.498	2.081	2.431	2.937	3.780	5.668	8.326	9.396	13.59
5	0.276	0.310	0.369	0.432	0.523	1.873	2.142	2.522	3.129	4.409	6.087	6.732	9.142
6	0.298	0.332	0.392	0.454	0.543	1.742	1.964	2.271	2.749	3.716	4.923	5.372	6.998
7	0.317	0.352	0.411	0.473	0.560	1.652	1.843	2.103	2.500	3.280	4.218	4.559	5.766
8	0.333	0.368	0.428	0.489	0.575	1.586	1.755	1.982	2.324	2.980	3.747	4.022	4.975
9	0.348	0.383	0.443	0.504	0.588	1.535	1.687	1.891	2.192	2.761	3.411	3.641	4.426
10	0.361	0.396	0.456	0.516	0.599	1.494	1.634	1.819	2.090	2.594	3.160	3.357	4.025
11	0.373	0.408	0.467	0.527	0.608	1.461	1.591	1.761	2.009	2.462	2.964	3.138	3.719
12	0.383	0.419	0.478	0.537	0.617	1.434	1.555	1.713	1.942	2.356	2.808	2.963	3.478
13	0.393	0.428	0.487	0.546	0.625	1.411	1.525	1.673	1.886	2.267	2.680	2.820	3.284
14	0.402	0.437	0.496	0.555	0.633	1.391	1.499	1.638	1.838	2.193	2.573	2.702	3.124
15	0.410	0.446	0.504	0.562	0.639	1.373	1.476	1.609	1.797	2.130	2.482	2.601	2.989
16	0.418	0.453	0.512	0.569	0.645	1.358	1.456	1.583	1.761	2.075	2.405	2.515	2.875
17	0.425	0.460	0.518	0.576	0.651	1.344	1.439	1.560	1.730	2.027	2.337	2.441	2.776
18	0.432	0.467	0.525	0.582	0.656	1.332	1.423	1.539	1.702	1.985	2.278	2.376	2.690
19	0.438	0.473	0.531	0.587	0.661	1.321	1.409	1.521	1.677	1.947	2.226	2.318	2.614
20	0.444	0.479	0.536	0.592	0.666	1.311	1.396	1.504	1.655	1.913	2.179	2.267	2.548
21	0.449	0.484	0.542	0.597	0.670	1.303	1.385	1.489	1.634	1.883	2.137	2.221	2.488
22	0.455	0.489	0.547	0.602	0.674	1.294	1.374	1.476	1.616	1.856	2.099	2.179	2.434
23	0.459	0.494	0.551	0.606	0.677	1.287	1.365	1.463	1.599	1.830	2.065	2.142	2.386
24	0.464	0.499	0.556	0.610	0.681	1.280	1.356	1.452	1.584	1.808	2.034	2.108	2.342
25	0.469	0.503	0.560	0.614	0.684	1.273	1.348	1.441	1.569	1.787	2.005	2.076	2.302
26	0.473	0.507	0.564	0.618	0.687	1.268	1.340	1.431	1.556	1.767	1.979	2.048	2.265
27	0.477	0.511	0.567	0.621	0.690	1.262	1.333	1.422	1.544	1.749	1.954	2.021	2.231
28	0.481	0.515	0.571	0.624	0.693	1.257	1.326	1.413	1.533	1.733	1.932	1.997	2.200
29	0.484	0.519	0.574	0.628	0.696	1.252	1.320	1.405	1.522	1.717	1.911	1.974	2.171
30	0.488	0.522	0.578	0.631	0.699	1.247	1.314	1.398	1.512	1.703	1.892	1.953	2.144
35	0.503	0.537	0.592	0.644	0.710	1.228	1.290	1.367	1.471	1.643	1.811	1.865	2.034
40	0.516	0.549	0.603	0.654	0.719	1.214	1.272	1.343	1.439	1.597	1.751	1.800	1.952
45	0.526	0.560	0.613	0.663	0.726	1.202	1.257	1.324	1.415	1.562	1.705	1.750	1.889
50	0.535	0.569	0.621	0.671	0.733	1.193	1.245	1.309	1.395	1.534	1.667	1.709	1.839
55	0.543	0.576	0.628	0.677	0.738	1.185	1.235	1.296	1.378	1.510	1.636	1.676	1.798
60	0.550	0.583	0.635	0.683	0.743	1.178	1.227	1.286	1.364	1.491	1.611	1.649	1.764
65	0.556	0.589	0.640	0.688	0.747	1.173	1.220	1.276	1.352	1.474	1.589	1.625	1.736
70	0.561	0.594	0.645	0.692	0.751	1.168	1.213	1.269	1.342	1.459	1.570	1.605	1.711
75	0.566	0.599	0.649	0.696	0.754	1.164	1.208	1.262	1.333	1.447	1.554	1.587	1.689
80	0.571	0.603	0.653	0.700	0.757	1.160	1.203	1.256	1.325	1.436	1.540	1.572	1.671
85	0.575	0.607	0.657	0.703	0.760	1.156	1.199	1.250	1.318	1.426	1.527	1.558	1.654
90	0.578	0.610	0.660	0.706	0.762	1.153	1.195	1.245	1.312	1.417	1.516	1.546	1.639
95	0.581	0.613	0.663	0.708	0.765	1.151	1.191	1.241	1.306	1.409	1.505	1.535	1.626
100	0.584	0.616	0.665	0.711	0.767	1.148	1.188	1.237	1.301	1.402	1.496	1.526	1.614
200	0.617	0.647	0.694	0.736	0.788	1.123	1.157	1.198	1.250	1.332	1.407	1.430	1.499
500	0.640	0.669	0.714	0.754	0.803	1.107	1.137	1.172	1.218	1.288	1.351	1.371	1.428

DISTRIBUCION F DE SNEDECOR (30)

GRADOS DE LIBERTAD numerador → 100
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.121	0.145	0.193	0.254	0.363	9.795	15.50	27.82	63.01	253.0	1013	1583	6334
2	0.179	0.207	0.261	0.324	0.424	3.466	4.471	6.143	9.481	19.49	39.49	49.48	99.47
3	0.220	0.251	0.308	0.371	0.467	2.471	2.984	3.764	5.144	8.554	13.96	16.30	26.24
4	0.252	0.285	0.343	0.406	0.500	2.081	2.430	2.936	3.778	5.664	8.319	9.388	13.58
5	0.279	0.312	0.371	0.434	0.525	1.872	2.141	2.520	3.126	4.405	6.080	6.724	9.130
6	0.301	0.335	0.394	0.456	0.545	1.741	1.963	2.269	2.746	3.712	4.915	5.364	6.987
7	0.320	0.354	0.414	0.476	0.563	1.651	1.842	2.101	2.497	3.275	4.210	4.551	5.755
8	0.336	0.371	0.431	0.492	0.577	1.585	1.753	1.980	2.321	2.975	3.739	4.013	4.963
9	0.351	0.386	0.446	0.506	0.590	1.534	1.686	1.888	2.189	2.756	3.403	3.632	4.415
10	0.364	0.399	0.459	0.519	0.601	1.493	1.633	1.817	2.087	2.588	3.152	3.348	4.014
11	0.376	0.411	0.471	0.530	0.611	1.460	1.589	1.758	2.005	2.457	2.956	3.129	3.708
12	0.387	0.422	0.481	0.540	0.620	1.433	1.553	1.710	1.938	2.350	2.800	2.954	3.467
13	0.397	0.432	0.491	0.550	0.628	1.409	1.523	1.670	1.882	2.261	2.671	2.811	3.272
14	0.406	0.441	0.500	0.558	0.636	1.389	1.497	1.636	1.834	2.187	2.565	2.692	3.112
15	0.415	0.450	0.508	0.566	0.642	1.372	1.474	1.606	1.793	2.123	2.474	2.592	2.977
16	0.423	0.458	0.516	0.573	0.649	1.356	1.454	1.580	1.757	2.068	2.396	2.506	2.863
17	0.430	0.465	0.523	0.579	0.654	1.343	1.437	1.557	1.726	2.020	2.329	2.431	2.764
18	0.437	0.472	0.529	0.586	0.660	1.331	1.421	1.536	1.698	1.978	2.269	2.366	2.678
19	0.443	0.478	0.535	0.591	0.665	1.320	1.407	1.518	1.673	1.940	2.217	2.308	2.602
20	0.449	0.484	0.541	0.597	0.669	1.310	1.394	1.501	1.650	1.907	2.170	2.257	2.535
21	0.455	0.489	0.546	0.601	0.674	1.301	1.383	1.486	1.630	1.876	2.128	2.211	2.475
22	0.460	0.495	0.551	0.606	0.678	1.293	1.372	1.472	1.611	1.849	2.090	2.169	2.422
23	0.465	0.500	0.556	0.611	0.681	1.285	1.362	1.460	1.594	1.823	2.056	2.132	2.373
24	0.470	0.504	0.561	0.615	0.685	1.278	1.353	1.448	1.579	1.800	2.024	2.097	2.329
25	0.474	0.509	0.565	0.619	0.688	1.272	1.345	1.437	1.565	1.779	1.996	2.066	2.289
26	0.479	0.513	0.569	0.622	0.692	1.266	1.337	1.427	1.551	1.760	1.969	2.037	2.252
27	0.483	0.517	0.573	0.626	0.695	1.260	1.330	1.418	1.539	1.742	1.945	2.011	2.218
28	0.487	0.521	0.576	0.629	0.698	1.255	1.324	1.410	1.528	1.725	1.922	1.986	2.187
29	0.491	0.525	0.580	0.633	0.700	1.250	1.317	1.402	1.517	1.710	1.901	1.963	2.158
30	0.494	0.528	0.583	0.636	0.703	1.245	1.312	1.394	1.507	1.695	1.882	1.942	2.131
35	0.510	0.544	0.598	0.649	0.714	1.226	1.287	1.363	1.465	1.635	1.801	1.854	2.020
40	0.523	0.556	0.610	0.660	0.724	1.212	1.268	1.339	1.434	1.589	1.741	1.789	1.938
45	0.534	0.567	0.620	0.669	0.732	1.200	1.254	1.320	1.409	1.554	1.694	1.738	1.875
50	0.543	0.576	0.628	0.677	0.738	1.190	1.242	1.304	1.388	1.525	1.656	1.697	1.825
55	0.552	0.584	0.636	0.684	0.744	1.182	1.231	1.291	1.372	1.501	1.625	1.664	1.784
60	0.559	0.591	0.642	0.689	0.749	1.176	1.223	1.281	1.358	1.481	1.599	1.636	1.749
65	0.565	0.597	0.648	0.695	0.753	1.170	1.216	1.271	1.346	1.464	1.577	1.612	1.720
70	0.571	0.603	0.653	0.699	0.757	1.165	1.209	1.263	1.335	1.450	1.558	1.592	1.695
75	0.576	0.608	0.657	0.703	0.760	1.161	1.204	1.256	1.326	1.437	1.542	1.574	1.674
80	0.580	0.612	0.661	0.707	0.763	1.157	1.199	1.250	1.318	1.426	1.527	1.559	1.655
85	0.584	0.616	0.665	0.710	0.766	1.153	1.195	1.245	1.311	1.416	1.514	1.545	1.638
90	0.588	0.620	0.668	0.713	0.769	1.150	1.191	1.240	1.304	1.407	1.503	1.533	1.623
95	0.592	0.623	0.671	0.716	0.771	1.147	1.187	1.235	1.299	1.399	1.493	1.522	1.610
100	0.595	0.626	0.674	0.719	0.773	1.145	1.184	1.231	1.293	1.392	1.483	1.512	1.598
200	0.629	0.659	0.704	0.745	0.795	1.120	1.152	1.191	1.242	1.321	1.393	1.415	1.481
500	0.654	0.682	0.726	0.765	0.811	1.103	1.131	1.165	1.209	1.275	1.336	1.354	1.408

DISTRIBUCION F DE SNEDECOR (31)

GRADOS DE LIBERTAD numerador → 120
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.122	0.146	0.194	0.255	0.364	9.804	15.51	27.84	63.06	253.3	1014	1585	6339
2	0.181	0.209	0.263	0.326	0.426	3.468	4.473	6.145	9.483	19.49	39.49	49.49	99.47
3	0.222	0.253	0.310	0.373	0.469	2.472	2.984	3.764	5.143	8.549	13.95	16.29	26.22
4	0.255	0.287	0.346	0.409	0.502	2.081	2.430	2.935	3.775	5.658	8.309	9.376	13.56
5	0.282	0.315	0.374	0.437	0.527	1.872	2.140	2.518	3.123	4.398	6.069	6.712	9.112
6	0.304	0.338	0.398	0.460	0.548	1.741	1.962	2.267	2.742	3.705	4.904	5.352	6.969
7	0.324	0.358	0.418	0.479	0.566	1.650	1.840	2.098	2.493	3.267	4.199	4.538	5.737
8	0.341	0.376	0.435	0.496	0.581	1.584	1.752	1.977	2.316	2.967	3.728	4.000	4.946
9	0.356	0.391	0.450	0.511	0.594	1.533	1.684	1.885	2.184	2.748	3.392	3.619	4.398
10	0.370	0.405	0.464	0.523	0.605	1.492	1.630	1.813	2.082	2.580	3.140	3.335	3.996
11	0.382	0.417	0.476	0.535	0.615	1.459	1.587	1.755	2.000	2.448	2.944	3.116	3.690
12	0.393	0.428	0.487	0.545	0.625	1.431	1.551	1.707	1.932	2.341	2.787	2.940	3.449
13	0.403	0.438	0.497	0.555	0.633	1.408	1.520	1.666	1.876	2.252	2.659	2.798	3.255
14	0.413	0.448	0.506	0.563	0.640	1.387	1.494	1.631	1.828	2.178	2.552	2.679	3.094
15	0.421	0.456	0.514	0.571	0.647	1.370	1.471	1.601	1.787	2.114	2.461	2.578	2.959
16	0.430	0.464	0.522	0.579	0.654	1.354	1.451	1.575	1.751	2.059	2.383	2.492	2.845
17	0.437	0.472	0.529	0.585	0.659	1.341	1.433	1.552	1.719	2.011	2.315	2.417	2.746
18	0.444	0.479	0.536	0.592	0.665	1.328	1.418	1.531	1.691	1.968	2.256	2.351	2.660
19	0.451	0.485	0.542	0.597	0.670	1.317	1.403	1.513	1.666	1.930	2.203	2.294	2.584
20	0.457	0.491	0.548	0.603	0.675	1.307	1.391	1.496	1.643	1.896	2.156	2.242	2.517
21	0.463	0.497	0.553	0.608	0.679	1.298	1.379	1.481	1.623	1.866	2.114	2.196	2.457
22	0.468	0.503	0.559	0.613	0.683	1.290	1.368	1.467	1.604	1.838	2.076	2.154	2.403
23	0.474	0.508	0.564	0.617	0.687	1.282	1.358	1.454	1.587	1.813	2.041	2.116	2.354
24	0.479	0.513	0.568	0.622	0.691	1.275	1.349	1.443	1.571	1.790	2.010	2.082	2.310
25	0.483	0.517	0.573	0.626	0.694	1.269	1.341	1.432	1.557	1.768	1.981	2.050	2.270
26	0.488	0.522	0.577	0.630	0.698	1.263	1.333	1.422	1.544	1.749	1.954	2.021	2.233
27	0.492	0.526	0.581	0.633	0.701	1.257	1.326	1.413	1.531	1.731	1.930	1.995	2.198
28	0.496	0.530	0.585	0.637	0.704	1.252	1.319	1.404	1.520	1.714	1.907	1.970	2.167
29	0.500	0.534	0.588	0.640	0.707	1.247	1.313	1.396	1.509	1.698	1.886	1.947	2.138
30	0.504	0.538	0.592	0.643	0.710	1.242	1.307	1.388	1.499	1.683	1.866	1.926	2.111
35	0.521	0.554	0.607	0.657	0.721	1.223	1.283	1.356	1.457	1.623	1.785	1.837	2.000
40	0.534	0.567	0.620	0.669	0.731	1.208	1.264	1.332	1.425	1.577	1.724	1.771	1.917
45	0.546	0.579	0.630	0.678	0.739	1.196	1.248	1.313	1.399	1.541	1.677	1.720	1.853
50	0.556	0.588	0.639	0.687	0.746	1.186	1.236	1.297	1.379	1.511	1.639	1.679	1.803
55	0.565	0.597	0.647	0.694	0.752	1.178	1.226	1.284	1.362	1.487	1.607	1.645	1.761
60	0.572	0.604	0.654	0.700	0.757	1.172	1.217	1.273	1.348	1.467	1.581	1.617	1.726
65	0.579	0.610	0.660	0.705	0.762	1.166	1.210	1.264	1.335	1.450	1.559	1.593	1.697
70	0.585	0.616	0.665	0.710	0.766	1.161	1.203	1.255	1.325	1.435	1.539	1.572	1.672
75	0.591	0.622	0.670	0.714	0.770	1.156	1.198	1.248	1.315	1.422	1.523	1.554	1.650
80	0.596	0.626	0.674	0.718	0.773	1.152	1.193	1.242	1.307	1.411	1.508	1.538	1.630
85	0.600	0.631	0.678	0.722	0.776	1.148	1.188	1.236	1.300	1.400	1.495	1.524	1.613
90	0.604	0.634	0.682	0.725	0.779	1.145	1.184	1.231	1.293	1.391	1.483	1.512	1.598
95	0.608	0.638	0.685	0.728	0.781	1.142	1.180	1.227	1.287	1.383	1.473	1.500	1.585
100	0.611	0.641	0.688	0.731	0.783	1.140	1.177	1.222	1.282	1.376	1.463	1.490	1.572
200	0.649	0.677	0.720	0.760	0.807	1.114	1.144	1.181	1.228	1.302	1.370	1.391	1.453
500	0.677	0.704	0.744	0.781	0.825	1.096	1.122	1.154	1.194	1.255	1.311	1.327	1.377

DISTRIBUCION F DE SNEDECOR (32)

GRADOS DE LIBERTAD numerador → 150
↓ denominador Probabilidad acumulada

	0.005	0.010	0.025	0.050	0.100	0.750	0.800	0.850	0.900	0.950	0.975	0.980	0.990
1	0.123	0.147	0.195	0.256	0.365	9.813	15.52	27.86	63.11	253.5	1015	1586	6345
2	0.182	0.211	0.264	0.327	0.428	3.469	4.475	6.146	9.484	19.49	39.49	49.49	99.48
3	0.225	0.255	0.312	0.375	0.472	2.472	2.984	3.763	5.141	8.545	13.94	16.27	26.20
4	0.258	0.290	0.348	0.411	0.504	2.081	2.429	2.933	3.772	5.652	8.299	9.364	13.54
5	0.285	0.318	0.377	0.440	0.530	1.871	2.139	2.516	3.119	4.392	6.059	6.699	9.094
6	0.308	0.342	0.401	0.463	0.551	1.740	1.960	2.265	2.738	3.698	4.893	5.339	6.951
7	0.328	0.362	0.421	0.483	0.569	1.649	1.838	2.096	2.488	3.260	4.188	4.526	5.720
8	0.346	0.380	0.439	0.500	0.584	1.582	1.750	1.974	2.312	2.959	3.716	3.988	4.929
9	0.361	0.396	0.455	0.515	0.598	1.531	1.682	1.882	2.179	2.739	3.380	3.606	4.380
10	0.375	0.410	0.468	0.528	0.609	1.490	1.628	1.810	2.077	2.572	3.128	3.322	3.979
11	0.388	0.422	0.481	0.540	0.620	1.457	1.584	1.751	1.994	2.439	2.932	3.102	3.673
12	0.399	0.434	0.492	0.550	0.629	1.429	1.548	1.703	1.927	2.332	2.775	2.927	3.432
13	0.410	0.444	0.502	0.560	0.637	1.406	1.517	1.662	1.870	2.243	2.647	2.784	3.237
14	0.419	0.454	0.512	0.569	0.645	1.385	1.491	1.627	1.822	2.169	2.539	2.665	3.076
15	0.428	0.463	0.520	0.577	0.652	1.368	1.468	1.597	1.781	2.105	2.448	2.564	2.942
16	0.437	0.471	0.528	0.584	0.659	1.352	1.448	1.571	1.744	2.049	2.370	2.477	2.827
17	0.445	0.479	0.536	0.591	0.665	1.338	1.430	1.547	1.713	2.001	2.302	2.403	2.728
18	0.452	0.486	0.543	0.598	0.670	1.326	1.414	1.527	1.684	1.958	2.242	2.337	2.641
19	0.459	0.493	0.549	0.604	0.675	1.315	1.400	1.508	1.659	1.920	2.190	2.279	2.565
20	0.465	0.499	0.555	0.609	0.680	1.305	1.387	1.491	1.636	1.886	2.142	2.227	2.498
21	0.471	0.505	0.561	0.615	0.685	1.296	1.375	1.476	1.616	1.855	2.100	2.181	2.438
22	0.477	0.511	0.566	0.620	0.689	1.287	1.364	1.462	1.597	1.827	2.062	2.139	2.384
23	0.483	0.516	0.571	0.624	0.693	1.280	1.355	1.449	1.580	1.802	2.027	2.101	2.335
24	0.488	0.521	0.576	0.629	0.697	1.273	1.345	1.437	1.564	1.779	1.995	2.066	2.291
25	0.493	0.526	0.581	0.633	0.701	1.266	1.337	1.426	1.549	1.757	1.966	2.035	2.250
26	0.497	0.531	0.585	0.637	0.704	1.260	1.329	1.416	1.536	1.738	1.940	2.005	2.213
27	0.502	0.535	0.589	0.641	0.707	1.254	1.322	1.407	1.523	1.719	1.915	1.979	2.179
28	0.506	0.540	0.593	0.645	0.711	1.249	1.315	1.398	1.512	1.702	1.892	1.954	2.147
29	0.510	0.544	0.597	0.648	0.714	1.244	1.309	1.390	1.501	1.686	1.871	1.930	2.118
30	0.514	0.547	0.601	0.651	0.716	1.239	1.303	1.382	1.491	1.672	1.851	1.909	2.091
35	0.532	0.564	0.617	0.666	0.729	1.220	1.278	1.350	1.448	1.610	1.769	1.820	1.979
40	0.546	0.578	0.630	0.678	0.739	1.204	1.258	1.325	1.416	1.564	1.708	1.753	1.896
45	0.559	0.590	0.641	0.688	0.747	1.192	1.243	1.306	1.390	1.527	1.660	1.702	1.831
50	0.569	0.601	0.650	0.697	0.755	1.182	1.231	1.290	1.369	1.498	1.621	1.660	1.780
55	0.579	0.610	0.658	0.704	0.761	1.174	1.220	1.277	1.352	1.473	1.589	1.626	1.738
60	0.587	0.617	0.666	0.711	0.766	1.167	1.211	1.265	1.337	1.453	1.563	1.597	1.703
65	0.594	0.624	0.672	0.716	0.771	1.161	1.204	1.256	1.325	1.435	1.540	1.573	1.673
70	0.601	0.631	0.678	0.721	0.776	1.156	1.197	1.247	1.314	1.420	1.520	1.552	1.647
75	0.606	0.636	0.683	0.726	0.779	1.151	1.191	1.240	1.304	1.407	1.503	1.533	1.625
80	0.612	0.641	0.688	0.730	0.783	1.147	1.186	1.233	1.296	1.395	1.488	1.517	1.605
85	0.617	0.646	0.692	0.734	0.786	1.143	1.181	1.227	1.288	1.384	1.475	1.503	1.588
90	0.621	0.650	0.696	0.737	0.789	1.140	1.177	1.222	1.281	1.375	1.463	1.490	1.572
95	0.625	0.654	0.699	0.741	0.792	1.137	1.174	1.217	1.275	1.367	1.452	1.478	1.558
100	0.629	0.658	0.703	0.744	0.794	1.135	1.170	1.213	1.270	1.359	1.442	1.468	1.546
200	0.670	0.697	0.738	0.775	0.820	1.107	1.136	1.170	1.214	1.283	1.346	1.365	1.423
500	0.702	0.727	0.765	0.799	0.840	1.089	1.113	1.141	1.178	1.233	1.284	1.299	1.344