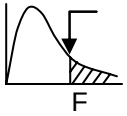
Valores críticos de la distribución F (cola superior)

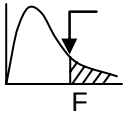
alfa= 0,005



	n 1 grados de libertad																							
n_2	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**14**	**16**	**20**	**24**	**30**	**40**	**50**	**75**	**100**	**200**	**500**	**10.000**
1	16212	19997	21614	22501	23056	23440	23715	23924	24091	24222	24334	24427	24572	24684	24837	24937	25041	25146	25213	25295	25339	25399	25436	25466
2	198,5	199,0	199,2	199,2	199,3	199,3	199,4	199,4	199,4	199,4	199,4	199,4	199,4	199,4	199,4	199,4	199,5	199,5	199,5	199,5	199,5	199,5	199,5	199,5
3	55,55	49,80	47,47	46,20	45,39	44,84	44,43	44,13	43,88	43,68	43,52	43,39	43,17	43,01	42,78	42,62	42,47	42,31	42,21	42,08	42,02	41,92	41,87	41,83
4	31,33	26,28	24,26	23,15	22,46	21,98	21,62	21,35	21,14	20,97	20,82	20,70	20,51	20,37	20,17	20,03	19,89	19,75	19,67	19,55	19,50	19,41	19,36	19,33
5	22,78	18,31	16,53	15,56	14,94	14,51	14,20	13,96	13,77	13,62	13,49	13,38	13,21	13,09	12,90	12,78	12,66	12,53	12,45	12,35	12,30	12,22	12,17	12,15
6	18,63	14,54	12,92	12,03	11,46	11,07	10,79	10,57	10,39	10,25	10,13	10,03	9,88	9,76	9,59	9,47	9,36	9,24	9,17	9,07	9,03	8,95	8,91	8,88
7	16,24	12,40	10,88	10,05	9,522	9,155	8,885	8,678	8,514	8,380	8,270	8,176	8,028	7,915	7,754	7,645	7,534	7,422	7,354	7,263	7,217	7,147	7,104	7,077
8	14,69	11,04	9,60	8,81	8,302	7,952	7,694	7,496	7,339	7,211	7,105	7,015	6,872	6,763	6,608	6,503	6,396	6,288	6,222	6,132	6,087	6,019	5,978	5,952
9	13,61	10,11	8,717	7,956	7,471	7,134	6,885	6,693	6,541	6,417	6,314	6,227	6,089	5,983	5,832	5,729	5,625	5,519	5,454	5,366	5,322	5,255	5,215	5,189
10	12,83	9,427	8,081	7,343	6,872	6,545	6,303	6,116	5,968	5,847	5,746	5,661	5,526	5,422	5,274	5,173	5,071	4,966	4,902	4,816	4,772	4,706	4,666	4,640
11	12,23	8,912	7,600	6,881	6,422	6,102	5,865	5,682	5,537	5,418	5,320	5,236	5,103	5,001	4,855	4,756	4,654	4,551	4,488	4,402	4,359	4,293	4,252	4,227
12	11,75	8,510	7,226	6,521	6,071	5,757	5,524	5,345	5,202	5,085	4,988	4,906	4,775	4,674	4,530	4,431	4,331	4,228	4,165	4,080	4,037	3,971	3,931	3,905
13	11,37	8,186	6,926	6,233	5,791	5,482	5,253	5,076	4,935	4,820	4,724	4,643	4,513	4,413	4,270	4,173	4,073	3,970	3,908	3,823	3,780	3,714	3,674	3,648
14	11,06	7,922	6,680	5,998	5,562	5,257	5,031	4,857	4,717	4,603	4,508	4,428	4,299	4,201	4,059	3,961	3,862	3,760	3,697	3,613	3,569	3,503	3,463	3,437
15	10,80	7,701	6,476	5,803	5,372	5,071	4,847	4,674	4,536	4,424	4,329	4,250	4,122	4,024	3,883	3,786	3,687	3,585	3,523	3,437	3,394	3,328	3,287	3,262
16	10,58	7,514	6,303	5,638	5,212	4,913	4,692	4,521	4,384	4,272	4,179	4,099	3,972	3,875	3,734	3,638	3,539	3,437	3,375	3,290	3,246	3,180	3,139	3,113
17	10,38	7,354	6,156	5,497	5,075	4,779	4,559	4,389	4,254	4,142	4,050	3,971	3,844	3,747	3,607	3,511	3,412	3,311	3,248	3,163	3,119	3,052	3,012	2,985
18	10,22	7,215	6,028	5,375	4,956	4,663	4,445	4,276	4,141	4,030	3,938	3,860	3,734	3,637	3,498	3,402	3,303	3,201	3,139	3,053	3,009	2,942	2,901	2,875
19	10,07	7,093	5,916	5,268	4,853	4,561	4,345	4,177	4,043	3,933	3,841	3,763	3,638	3,541	3,402	3,306	3,208	3,106	3,043	2,957	2,913	2,846	2,804	2,778
20	9,944	6,987	5,818	5,174	4,762	4,472	4,257	4,090	3,956	3,847	3,756	3,678	3,553	3,457	3,318	3,222	3,123	3,022	2,959	2,872	2,828	2,760	2,719	2,692
21	9,829	6,891	5,730	5,091	4,681	4,393	4,179	4,013	3,880	3,771	3,680	3,602	3,478	3,382	3,243	3,147	3,049	2,947	2,884	2,797	2,753	2,684	2,642	2,615
22	9,727	6,806	5,652	5,017	4,609	4,322	4,109	3,944	3,812	3,703	3,612	3,535	3,411	3,315	3,176	3,081	2,982	2,880	2,817	2,730	2,685	2,617	2,574	2,547
23	9,635	6,730	5,582	4,950	4,544	4,259	4,047	3,882	3,750	3,642	3,551	3,474	3,351	3,255	3,116	3,021	2,922	2,820	2,756	2,669	2,624	2,555	2,513	2,485
24	9,551	6,661	5,519	4,890	4,486	4,202	3,991	3,826	3,695	3,587	3,497	3,420	3,296	3,201	3,062	2,967	2,868	2,765	2,702	2,614	2,569	2,500	2,457	2,429
25	9,475	6,598	5,462	4,835	4,433	4,150	3,939	3,776	3,645	3,537	3,447	3,370	3,247	3,152	3,013	2,918	2,819	2,716	2,652	2,564	2,519	2,449	2,406	2,378
26	9,406	6,541	5,409	4,785	4,384	4,103	3,893	3,730	3,599	3,492	3,402	3,325	3,202	3,107	2,968	2,873	2,774	2,671	2,607	2,519	2,473	2,403	2,359	2,331
27	9,342	6,489	5,361	4,740	4,340	4,059	3,850	3,687	3,557	3,450	3,360	3,284	3,161	3,066	2,927	2,832	2,733	2,630	2,565	2,477	2,431	2,360	2,317	2,288
28	9,284	6,440	5,317	4,698	4,300	4,020	3,811	3,649	3,519	3,412	3,322	3,246	3,123	3,028	2,890	2,794	2,695	2,592	2,527	2,438	2,392	2,321	2,277	2,248
29	9,230	6,396	5,276	4,659	4,262	3,983	3,775	3,613	3,483	3,376	3,287	3,211	3,088	2,993	2,855	2,759	2,660	2,557	2,492	2,403	2,357	2,285	2,241	2,212
30	9,180	6,355	5,239	4,623	4,228	3,949	3,742	3,580	3,451	3,344	3,255	3,179	3,056	2,961	2,823	2,727	2,628	2,524	2,459	2,370	2,323	2,251	2,207	2,178
32	9,090	6,281	5,172	4,559	4,166	3,889	3,682	3,521	3,392	3,286	3,197	3,121	2,998	2,904	2,766	2,670	2,570	2,466	2,401	2,311	2,264	2,191	2,146	2,116
34	9,012	6,217	5,113	4,504	4,112	3,836	3,630	3,470	3,341	3,235	3,146	3,071	2,948	2,854	2,716	2,620	2,520	2,415	2,350	2,259	2,212	2,138	2,092	2,062
36	8,943	6,161	5,062	4,455	4,065	3,790	3,585	3,425	3,296	3,191	3,102	3,027	2,905	2,810	2,672	2,576	2,475	2,371	2,305	2,213	2,166	2,091	2,045	2,014

Valores críticos de la distribución F (cola superior)

alfa= 0,005



	n_1 grados de libertad																							
n_2	**1**	**2**	**3**	**4**	**5**	**6**	**7**	**8**	**9**	**10**	**11**	**12**	**14**	**16**	**20**	**24**	**30**	**40**	**50**	**75**	**100**	**200**	**500**	**10.000**
38	8,882	6,111	5,016	4,412	4,023	3,749	3,545	3,385	3,257	3,152	3,063	2,988	2,866	2,771	2,633	2,537	2,436	2,331	2,265	2,173	2,125	2,050	2,003	1,972
40	8,828	6,066	4,976	4,374	3,986	3,713	3,509	3,350	3,222	3,117	3,028	2,953	2,831	2,737	2,598	2,502	2,401	2,296	2,230	2,137	2,088	2,012	1,965	1,933
42	8,779	6,027	4,940	4,339	3,953	3,680	3,477	3,318	3,191	3,086	2,997	2,922	2,800	2,706	2,567	2,471	2,370	2,264	2,198	2,104	2,056	1,979	1,931	1,899
44	8,735	5,991	4,907	4,309	3,923	3,651	3,448	3,290	3,162	3,057	2,969	2,894	2,772	2,678	2,540	2,443	2,342	2,236	2,169	2,075	2,026	1,948	1,900	1,867
46	8,695	5,958	4,877	4,280	3,896	3,625	3,422	3,264	3,137	3,032	2,944	2,869	2,747	2,653	2,514	2,418	2,316	2,210	2,143	2,048	1,999	1,921	1,871	1,839
48	8,659	5,929	4,850	4,255	3,871	3,601	3,398	3,240	3,113	3,009	2,921	2,846	2,724	2,630	2,491	2,394	2,293	2,186	2,119	2,024	1,974	1,895	1,845	1,812
50	8,626	5,902	4,826	4,232	3,849	3,579	3,376	3,219	3,092	2,988	2,900	2,825	2,703	2,609	2,470	2,373	2,272	2,164	2,097	2,001	1,951	1,872	1,821	1,788
55	8,554	5,843	4,773	4,181	3,800	3,531	3,330	3,173	3,046	2,942	2,854	2,779	2,658	2,563	2,425	2,327	2,226	2,118	2,049	1,953	1,902	1,821	1,769	1,735
60	8,495	5,795	4,729	4,140	3,760	3,492	3,291	3,134	3,008	2,904	2,817	2,742	2,620	2,526	2,387	2,290	2,187	2,079	2,010	1,913	1,861	1,779	1,726	1,690
65	8,445	5,755	4,692	4,105	3,726	3,459	3,259	3,103	2,977	2,873	2,785	2,711	2,589	2,495	2,356	2,258	2,155	2,046	1,977	1,879	1,826	1,743	1,689	1,652
70	8,403	5,720	4,661	4,076	3,698	3,431	3,232	3,076	2,950	2,846	2,759	2,684	2,563	2,468	2,329	2,231	2,128	2,019	1,949	1,850	1,797	1,712	1,657	1,620
80	8,335	5,665	4,611	4,028	3,652	3,387	3,188	3,032	2,907	2,803	2,716	2,641	2,520	2,425	2,286	2,188	2,084	1,974	1,903	1,802	1,748	1,661	1,604	1,565
100	8,241	5,589	4,542	3,963	3,589	3,325	3,127	2,972	2,847	2,744	2,657	2,583	2,461	2,367	2,227	2,128	2,024	1,912	1,840	1,737	1,681	1,590	1,529	1,488
125	8,167	5,529	4,488	3,912	3,540	3,277	3,080	2,925	2,801	2,698	2,611	2,536	2,415	2,320	2,180	2,081	1,976	1,863	1,790	1,684	1,627	1,532	1,467	1,422
150	8,118	5,490	4,453	3,878	3,508	3,245	3,048	2,894	2,770	2,667	2,580	2,506	2,385	2,290	2,150	2,050	1,944	1,830	1,756	1,649	1,590	1,492	1,425	1,377
200	8,057	5,441	4,408	3,837	3,467	3,206	3,010	2,856	2,732	2,629	2,543	2,468	2,347	2,252	2,112	2,012	1,905	1,790	1,715	1,605	1,544	1,442	1,369	1,317
400	7,968	5,369	4,343	3,775	3,408	3,148	2,953	2,800	2,676	2,573	2,487	2,413	2,292	2,196	2,055	1,955	1,847	1,729	1,652	1,538	1,474	1,362	1,279	1,213
1000	7,914	5,326	4,305	3,739	3,373	3,114	2,919	2,766	2,643	2,541	2,454	2,380	2,259	2,163	2,022	1,921	1,812	1,693	1,615	1,498	1,431	1,312	1,218	1,131
10000	7,883	5,301	4,282	3,717	3,352	3,094	2,899	2,747	2,623	2,521	2,435	2,360	2,239	2,144	2,002	1,901	1,791	1,672	1,592	1,473	1,405	1,280	1,175	1,053