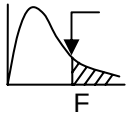
Valores críticos de la distribución F (cola superior)

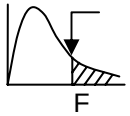
alfa= 0,01



	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	4.052	4.999	5.404	5.624	5.764	5.859	5.928	5.981	6.022	6.056	6.083	6.107	6.143	6.170	6.209	6.234	6.260	6.286	6.302	6.324	6.334	6.350	6.360	6.366
2	98,50	99,00	99,16	99,25	99,30	99,33	99,36	99,38	99,39	99,40	99,41	99,42	99,43	99,44	99,45	99,46	99,47	99,48	99,48	99,48	99,49	99,49	99,50	99,50
3	34,12	30,82	29,46	28,71	28,24	27,91	27,67	27,49	27,34	27,23	27,13	27,05	26,92	26,83	26,69	26,60	26,50	26,41	26,35	26,28	26,24	26,18	26,15	26,13
4	21,20	18,00	16,69	15,98	15,52	15,21	14,98	14,80	14,66	14,55	14,45	14,37	14,25	14,15	14,02	13,93	13,84	13,75	13,69	13,61	13,58	13,52	13,49	13,46
5	16,26	13,27	12,06	11,39	10,97	10,67	10,46	10,29	10,16	10,05	9,963	9,888	9,770	9,680	9,553	9,466	9,379	9,291	9,238	9,166	9,130	9,075	9,042	9,022
6	13,75	10,92	9,780	9,148	8,746	8,466	8,260	8,102	7,976	7,874	7,790	7,718	7,605	7,519	7,396	7,313	7,229	7,143	7,091	7,022	6,987	6,934	6,901	6,881
7	12,25	9,547	8,451	7,847	7,460	7,191	6,993	6,840	6,719	6,620	6,538	6,469	6,359	6,275	6,155	6,074	5,992	5,908	5,858	5,789	5,755	5,702	5,671	5,651
8	11,26	8,649	7,591	7,006	6,632	6,371	6,178	6,029	5,911	5,814	5,734	5,667	5,559	5,477	5,359	5,279	5,198	5,116	5,065	4,998	4,963	4,911	4,880	4,860
9	10,56	8,022	6,992	6,422	6,057	5,802	5,613	5,467	5,351	5,257	5,178	5,111	5,005	4,924	4,808	4,729	4,649	4,567	4,517	4,449	4,415	4,363	4,332	4,312
10	10,04	7,559	6,552	5,994	5,636	5,386	5,200	5,057	4,942	4,849	4,772	4,706	4,601	4,520	4,405	4,327	4,247	4,165	4,115	4,048	4,014	3,962	3,930	3,910
11	9,646	7,206	6,217	5,668	5,316	5,069	4,886	4,744	4,632	4,539	4,462	4,397	4,293	4,213	4,099	4,021	3,941	3,860	3,810	3,742	3,708	3,656	3,624	3,604
12	9,330	6,927	5,953	5,412	5,064	4,821	4,640	4,499	4,388	4,296	4,220	4,155	4,052	3,972	3,858	3,780	3,701	3,619	3,569	3,501	3,467	3,414	3,382	3,362
13	9,074	6,701	5,739	5,205	4,862	4,620	4,441	4,302	4,191	4,100	4,025	3,960	3,857	3,778	3,665	3,587	3,507	3,425	3,375	3,307	3,272	3,219	3,187	3,166
14	8,862	6,515	5,564	5,035	4,695	4,456	4,278	4,140	4,030	3,939	3,864	3,800	3,698	3,619	3,505	3,427	3,348	3,266	3,215	3,147	3,112	3,059	3,026	3,005
15	8,683	6,359	5,417	4,893	4,556	4,318	4,142	4,004	3,895	3,805	3,730	3,666	3,564	3,485	3,372	3,294	3,214	3,132	3,081	3,012	2,977	2,923	2,891	2,870
16	8,531	6,226	5,292	4,773	4,437	4,202	4,026	3,890	3,780	3,691	3,616	3,553	3,451	3,372	3,259	3,181	3,101	3,018	2,967	2,898	2,863	2,808	2,775	2,754
17	8,400	6,112	5,185	4,669	4,336	4,101	3,927	3,791	3,682	3,593	3,518	3,455	3,353	3,275	3,162	3,083	3,003	2,920	2,869	2,800	2,764	2,709	2,676	2,654
18	8,285	6,013	5,092	4,579	4,248	4,015	3,841	3,705	3,597	3,508	3,434	3,371	3,269	3,190	3,077	2,999	2,919	2,835	2,784	2,714	2,678	2,623	2,589	2,567
19	8,185	5,926	5,010	4,500	4,171	3,939	3,765	3,631	3,523	3,434	3,360	3,297	3,195	3,116	3,003	2,925	2,844	2,761	2,709	2,639	2,602	2,547	2,512	2,490
20	8,096	5,849	4,938	4,431	4,103	3,871	3,699	3,564	3,457	3,368	3,294	3,231	3,130	3,051	2,938	2,859	2,778	2,695	2,643	2,572	2,535	2,479	2,445	2,422
21	8,017	5,780	4,874	4,369	4,042	3,812	3,640	3,506	3,398	3,310	3,236	3,173	3,072	2,993	2,880	2,801	2,720	2,636	2,584	2,512	2,476	2,419	2,384	2,361
22	7,945	5,719	4,817	4,313	3,988	3,758	3,587	3,453	3,346	3,258	3,184	3,121	3,019	2,941	2,827	2,749	2,667	2,583	2,531	2,459	2,422	2,365	2,329	2,307
23	7,881	5,664	4,765	4,264	3,939	3,710	3,539	3,406	3,299	3,211	3,137	3,074	2,973	2,894	2,780	2,702	2,620	2,536	2,483	2,411	2,373	2,316	2,280	2,257
24	7,823	5,614	4,718	4,218	3,895	3,667	3,496	3,363	3,256	3,168	3,094	3,032	2,930	2,852	2,738	2,659	2,577	2,492	2,440	2,367	2,329	2,271	2,235	2,212
25	7,770	5,568	4,675	4,177	3,855	3,627	3,457	3,324	3,217	3,129	3,056	2,993	2,892	2,813	2,699	2,620	2,538	2,453	2,400	2,327	2,289	2,230	2,194	2,171
26	7,721	5,526	4,637	4,140	3,818	3,591	3,421	3,288	3,182	3,094	3,021	2,958	2,857	2,778	2,664	2,585	2,503	2,417	2,364	2,290	2,252	2,193	2,156	2,133
27	7,677	5,488	4,601	4,106	3,785	3,558	3,388	3,256	3,149	3,062	2,988	2,926	2,824	2,746	2,632	2,552	2,470	2,384	2,330	2,256	2,218	2,159	2,122	2,098
28	7,636	5,453	4,568	4,074	3,754	3,528	3,358	3,226	3,120	3,032	2,959	2,896	2,795	2,716	2,602	2,522	2,440	2,354	2,300	2,225	2,187	2,127	2,090	2,065
29	7,598	5,420	4,538	4,045	3,725	3,499	3,330	3,198	3,092	3,005	2,931	2,868	2,767	2,689	2,574	2,495	2,412	2,325	2,271	2,197	2,158	2,097	2,060	2,035
30	7,562	5,390	4,510	4,018	3,699	3,473	3,305	3,173	3,067	2,979	2,906	2,843	2,742	2,663	2,549	2,469	2,386	2,299	2,245	2,170	2,131	2,070	2,032	2,008

Valores críticos de la distribución F (cola superior)

alfa= 0,01



	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
32	7,499	5,336	4,459	3,969	3,652	3,427	3,258	3,127	3,021	2,934	2,860	2,798	2,696	2,618	2,503	2,423	2,340	2,252	2,198	2,122	2,082	2,021	1,982	1,957
34	7,444	5,289	4,416	3,927	3,611	3,386	3,218	3,087	2,981	2,894	2,821	2,758	2,657	2,578	2,463	2,383	2,299	2,211	2,156	2,080	2,040	1,977	1,938	1,913
36	7,396	5,248	4,377	3,890	3,574	3,351	3,183	3,052	2,946	2,859	2,786	2,723	2,622	2,543	2,428	2,347	2,263	2,175	2,120	2,042	2,002	1,939	1,899	1,873
38	7,353	5,211	4,343	3,858	3,542	3,319	3,152	3,021	2,915	2,828	2,755	2,692	2,591	2,512	2,397	2,316	2,232	2,143	2,087	2,009	1,968	1,904	1,864	1,838
40	7,314	5,178	4,313	3,828	3,514	3,291	3,124	2,993	2,888	2,801	2,727	2,665	2,563	2,484	2,369	2,288	2,203	2,114	2,058	1,980	1,938	1,874	1,833	1,806
42	7,280	5,149	4,285	3,802	3,488	3,266	3,099	2,968	2,863	2,776	2,703	2,640	2,539	2,460	2,344	2,263	2,178	2,088	2,032	1,953	1,911	1,846	1,804	1,777
44	7,248	5,123	4,261	3,778	3,465	3,243	3,076	2,946	2,840	2,754	2,680	2,618	2,516	2,437	2,321	2,240	2,155	2,065	2,008	1,929	1,887	1,821	1,779	1,751
46	7,220	5,099	4,238	3,757	3,444	3,222	3,056	2,925	2,820	2,733	2,660	2,598	2,496	2,417	2,301	2,220	2,134	2,044	1,987	1,906	1,864	1,797	1,755	1,727
48	7,194	5,077	4,218	3,737	3,425	3,204	3,037	2,907	2,802	2,715	2,642	2,579	2,478	2,399	2,282	2,201	2,115	2,024	1,967	1,886	1,844	1,776	1,733	1,705
50	7,171	5,057	4,199	3,720	3,408	3,186	3,020	2,890	2,785	2,698	2,625	2,563	2,461	2,382	2,265	2,183	2,098	2,007	1,949	1,868	1,825	1,757	1,713	1,685
55	7,119	5,013	4,159	3,681	3,370	3,149	2,983	2,853	2,748	2,662	2,589	2,526	2,424	2,345	2,228	2,146	2,060	1,968	1,910	1,827	1,784	1,714	1,670	1,640
60	7,077	4,977	4,126	3,649	3,339	3,119	2,953	2,823	2,718	2,632	2,559	2,496	2,394	2,315	2,198	2,115	2,028	1,936	1,877	1,794	1,749	1,678	1,633	1,602
65	7,042	4,947	4,098	3,622	3,313	3,093	2,928	2,798	2,693	2,607	2,534	2,471	2,369	2,289	2,172	2,089	2,002	1,909	1,850	1,765	1,720	1,648	1,601	1,570
70	7,011	4,922	4,074	3,600	3,291	3,071	2,906	2,777	2,672	2,585	2,512	2,450	2,348	2,268	2,150	2,067	1,980	1,886	1,826	1,741	1,695	1,622	1,574	1,542
80	6,963	4,881	4,036	3,563	3,255	3,036	2,871	2,742	2,637	2,551	2,478	2,415	2,313	2,233	2,115	2,032	1,944	1,849	1,788	1,702	1,655	1,579	1,530	1,496
100	6,895	4,824	3,984	3,513	3,206	2,988	2,823	2,694	2,590	2,503	2,430	2,368	2,265	2,185	2,067	1,983	1,893	1,797	1,735	1,646	1,598	1,518	1,466	1,429
125	6,842	4,779	3,942	3,473	3,167	2,950	2,785	2,657	2,552	2,466	2,393	2,330	2,228	2,147	2,028	1,944	1,853	1,756	1,693	1,602	1,551	1,469	1,412	1,373
150	6,807	4,749	3,915	3,447	3,142	2,924	2,761	2,632	2,528	2,441	2,368	2,305	2,203	2,122	2,003	1,918	1,827	1,729	1,665	1,572	1,520	1,435	1,376	1,334
200	6,763	4,713	3,881	3,414	3,110	2,893	2,730	2,601	2,497	2,411	2,338	2,275	2,172	2,091	1,971	1,886	1,794	1,694	1,629	1,534	1,481	1,391	1,328	1,281
400	6,699	4,659	3,831	3,366	3,063	2,847	2,684	2,556	2,452	2,365	2,292	2,229	2,126	2,045	1,925	1,838	1,745	1,643	1,576	1,477	1,421	1,322	1,249	1,190
1000	6,660	4,626	3,801	3,338	3,036	2,820	2,657	2,529	2,425	2,339	2,265	2,203	2,099	2,018	1,897	1,810	1,716	1,613	1,544	1,442	1,383	1,278	1,195	1,118
10000	6,637	4,607	3,784	3,321	3,019	2,804	2,641	2,513	2,409	2,323	2,249	2,187	2,083	2,002	1,880	1,793	1,698	1,594	1,525	1,421	1,361	1,250	1,157	1,048