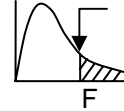


Valores críticos de la distribución F (cola superior)

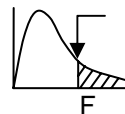
alfa= 0,025



n ₂	r ₁ grados de libertad																							
	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	648	799	864	900	922	937	948	957	963	969	973	977	983	987	993	997	1001	1006	1008	1011	1013	1016	1017	1018
2	38,51	39,00	39,17	39,25	39,30	39,33	39,36	39,37	39,39	39,40	39,41	39,41	39,43	39,44	39,45	39,46	39,46	39,47	39,48	39,48	39,49	39,49	39,50	39,50
3	17,44	16,04	15,44	15,10	14,88	14,73	14,62	14,54	14,47	14,42	14,37	14,34	14,28	14,23	14,17	14,12	14,08	14,04	14,01	13,97	13,96	13,93	13,91	13,90
4	12,22	10,65	9,979	9,604	9,364	9,197	9,074	8,980	8,905	8,844	8,794	8,751	8,684	8,633	8,560	8,511	8,461	8,411	8,381	8,340	8,319	8,288	8,270	8,258
5	10,01	8,43	7,764	7,388	7,146	6,978	6,853	6,757	6,681	6,619	6,568	6,525	6,456	6,403	6,329	6,278	6,227	6,175	6,144	6,101	6,080	6,048	6,028	6,016
6	8,813	7,260	6,599	6,227	5,988	5,820	5,695	5,600	5,523	5,461	5,410	5,366	5,297	5,244	5,168	5,117	5,065	5,012	4,980	4,937	4,915	4,882	4,862	4,850
7	8,073	6,542	5,890	5,523	5,285	5,119	4,995	4,899	4,823	4,761	4,709	4,666	4,596	4,543	4,467	4,415	4,362	4,309	4,276	4,232	4,210	4,176	4,156	4,143
8	7,571	6,059	5,416	5,053	4,817	4,652	4,529	4,433	4,357	4,295	4,243	4,200	4,130	4,076	3,999	3,947	3,894	3,840	3,807	3,762	3,739	3,705	3,684	3,671
9	7,209	5,715	5,078	4,718	4,484	4,320	4,197	4,102	4,026	3,964	3,912	3,868	3,798	3,744	3,667	3,614	3,560	3,505	3,472	3,426	3,403	3,368	3,347	3,334
10	6,937	5,456	4,826	4,468	4,236	4,072	3,950	3,855	3,779	3,717	3,665	3,621	3,550	3,496	3,419	3,365	3,311	3,255	3,221	3,175	3,152	3,116	3,094	3,081
11	6,724	5,256	4,630	4,275	4,044	3,881	3,759	3,664	3,588	3,526	3,474	3,430	3,359	3,304	3,226	3,173	3,118	3,061	3,027	2,980	2,956	2,920	2,898	2,884
12	6,554	5,096	4,474	4,121	3,891	3,728	3,607	3,512	3,436	3,374	3,321	3,277	3,206	3,152	3,073	3,019	2,963	2,906	2,871	2,824	2,800	2,763	2,740	2,726
13	6,414	4,965	4,347	3,996	3,767	3,604	3,483	3,388	3,312	3,250	3,197	3,153	3,082	3,027	2,948	2,893	2,837	2,780	2,744	2,696	2,671	2,634	2,611	2,596
14	6,298	4,857	4,242	3,892	3,663	3,501	3,380	3,285	3,209	3,147	3,095	3,050	2,979	2,923	2,844	2,789	2,732	2,674	2,638	2,590	2,565	2,526	2,503	2,488
15	6,200	4,765	4,153	3,804	3,576	3,415	3,293	3,199	3,123	3,060	3,008	2,963	2,891	2,836	2,756	2,701	2,644	2,585	2,549	2,499	2,474	2,435	2,411	2,396
16	6,115	4,687	4,077	3,729	3,502	3,341	3,219	3,125	3,049	2,986	2,934	2,889	2,817	2,761	2,681	2,625	2,568	2,509	2,472	2,422	2,396	2,357	2,333	2,317
17	6,042	4,619	4,011	3,665	3,438	3,277	3,156	3,061	2,985	2,922	2,870	2,825	2,753	2,697	2,616	2,560	2,502	2,442	2,405	2,355	2,329	2,289	2,264	2,248
18	5,978	4,560	3,954	3,608	3,382	3,221	3,100	3,005	2,929	2,866	2,814	2,769	2,696	2,640	2,559	2,503	2,445	2,384	2,347	2,296	2,269	2,229	2,204	2,188
19	5,922	4,508	3,903	3,559	3,333	3,172	3,051	2,956	2,880	2,817	2,765	2,720	2,647	2,591	2,509	2,452	2,394	2,333	2,295	2,243	2,217	2,176	2,150	2,134
20	5,871	4,461	3,859	3,515	3,289	3,128	3,007	2,913	2,837	2,774	2,721	2,676	2,603	2,547	2,464	2,408	2,349	2,287	2,249	2,197	2,170	2,128	2,103	2,086
21	5,827	4,420	3,819	3,475	3,250	3,090	2,969	2,874	2,798	2,735	2,682	2,637	2,564	2,507	2,425	2,368	2,308	2,246	2,208	2,155	2,128	2,086	2,060	2,043
22	5,786	4,383	3,783	3,440	3,215	3,055	2,934	2,839	2,763	2,700	2,647	2,602	2,528	2,472	2,389	2,332	2,272	2,210	2,171	2,118	2,090	2,047	2,021	2,004
23	5,750	4,349	3,750	3,408	3,183	3,023	2,902	2,808	2,731	2,668	2,615	2,570	2,497	2,440	2,357	2,299	2,239	2,176	2,137	2,084	2,056	2,013	1,986	1,969
24	5,717	4,319	3,721	3,379	3,155	2,995	2,874	2,779	2,703	2,640	2,586	2,541	2,468	2,411	2,327	2,269	2,209	2,146	2,107	2,052	2,024	1,981	1,954	1,936
25	5,686	4,291	3,694	3,353	3,129	2,969	2,848	2,753	2,677	2,613	2,560	2,515	2,441	2,384	2,300	2,242	2,182	2,118	2,079	2,024	1,996	1,952	1,924	1,906
26	5,659	4,265	3,670	3,329	3,105	2,945	2,824	2,729	2,653	2,590	2,536	2,491	2,417	2,360	2,276	2,217	2,157	2,093	2,053	1,998	1,969	1,925	1,897	1,879
27	5,633	4,242	3,647	3,307	3,083	2,923	2,802	2,707	2,631	2,568	2,514	2,469	2,395	2,337	2,253	2,195	2,133	2,069	2,029	1,974	1,945	1,900	1,872	1,854
28	5,610	4,221	3,626	3,286	3,063	2,903	2,782	2,687	2,611	2,547	2,494	2,448	2,374	2,317	2,232	2,174	2,112	2,048	2,007	1,951	1,922	1,877	1,848	1,830
29	5,588	4,201	3,607	3,267	3,044	2,884	2,763	2,669	2,592	2,529	2,475	2,430	2,355	2,298	2,213	2,154	2,092	2,028	1,987	1,931	1,901	1,855	1,827	1,808
30	5,568	4,182	3,589	3,250	3,026	2,867	2,746	2,651	2,575	2,511	2,458	2,412	2,338	2,280	2,195	2,136	2,074	2,009	1,968	1,911	1,882	1,835	1,806	1,788
32	5,531	4,149	3,557	3,218	2,995	2,836	2,715	2,620	2,543	2,480	2,426	2,381	2,306	2,248	2,163	2,103	2,041	1,975	1,934	1,876	1,846	1,799	1,770	1,751
34	5,499	4,120	3,529	3,191	2,968	2,808	2,688	2,593	2,516	2,453	2,399	2,353	2,278	2,220	2,135	2,075	2,012	1,946	1,904	1,846	1,815	1,767	1,737	1,718
36	5,471	4,094	3,505	3,167	2,944	2,785	2,664	2,569	2,492	2,429	2,375	2,329	2,254	2,196	2,110	2,049	1,986	1,919	1,877	1,818	1,787	1,739	1,708	1,688

Valores críticos de la distribución F (cola superior)

alfa= 0,025



n ₂	r ₁ grados de libertad																							
	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	5,446	4,071	3,483	3,145	2,923	2,763	2,643	2,548	2,471	2,407	2,353	2,307	2,232	2,174	2,088	2,027	1,963	1,896	1,854	1,794	1,763	1,714	1,682	1,662
40	5,424	4,051	3,463	3,126	2,904	2,744	2,624	2,529	2,452	2,388	2,334	2,288	2,213	2,154	2,068	2,007	1,943	1,875	1,832	1,772	1,741	1,691	1,659	1,638
42	5,404	4,033	3,446	3,109	2,887	2,727	2,607	2,512	2,435	2,371	2,317	2,271	2,196	2,137	2,050	1,989	1,924	1,856	1,813	1,752	1,720	1,670	1,638	1,617
44	5,386	4,016	3,430	3,093	2,871	2,712	2,591	2,496	2,419	2,355	2,302	2,255	2,180	2,121	2,034	1,972	1,908	1,839	1,796	1,734	1,702	1,651	1,618	1,597
46	5,369	4,001	3,415	3,079	2,857	2,698	2,577	2,482	2,405	2,341	2,287	2,241	2,165	2,106	2,019	1,957	1,893	1,824	1,780	1,718	1,685	1,634	1,600	1,579
48	5,354	3,987	3,402	3,066	2,844	2,685	2,565	2,470	2,393	2,329	2,274	2,228	2,152	2,093	2,006	1,944	1,879	1,809	1,765	1,703	1,670	1,618	1,584	1,562
50	5,340	3,975	3,390	3,054	2,833	2,674	2,553	2,458	2,381	2,317	2,263	2,216	2,140	2,081	1,993	1,931	1,866	1,796	1,752	1,689	1,656	1,603	1,569	1,546
55	5,310	3,948	3,364	3,029	2,807	2,648	2,528	2,433	2,355	2,291	2,237	2,190	2,114	2,055	1,967	1,904	1,838	1,768	1,723	1,659	1,625	1,571	1,536	1,512
60	5,286	3,925	3,343	3,008	2,786	2,627	2,507	2,412	2,334	2,270	2,216	2,169	2,093	2,033	1,944	1,882	1,815	1,744	1,699	1,634	1,599	1,543	1,507	1,483
65	5,265	3,906	3,324	2,990	2,769	2,610	2,489	2,394	2,317	2,252	2,198	2,151	2,075	2,015	1,926	1,863	1,796	1,724	1,678	1,612	1,577	1,520	1,483	1,459
70	5,247	3,890	3,309	2,975	2,754	2,595	2,474	2,379	2,302	2,237	2,183	2,136	2,059	1,999	1,910	1,847	1,779	1,707	1,660	1,594	1,558	1,500	1,463	1,437
80	5,218	3,864	3,284	2,950	2,730	2,571	2,450	2,355	2,277	2,213	2,158	2,111	2,035	1,974	1,884	1,820	1,752	1,679	1,632	1,564	1,527	1,467	1,428	1,401
100	5,179	3,828	3,250	2,917	2,696	2,537	2,417	2,321	2,244	2,179	2,124	2,077	2,000	1,939	1,849	1,784	1,715	1,640	1,592	1,522	1,483	1,420	1,378	1,349
125	5,147	3,800	3,222	2,890	2,670	2,511	2,390	2,295	2,217	2,153	2,098	2,050	1,973	1,911	1,820	1,755	1,685	1,609	1,559	1,487	1,448	1,381	1,336	1,305
150	5,126	3,781	3,204	2,872	2,652	2,494	2,373	2,278	2,200	2,135	2,080	2,032	1,955	1,893	1,801	1,736	1,665	1,588	1,538	1,464	1,423	1,355	1,307	1,273
200	5,100	3,758	3,182	2,850	2,630	2,472	2,351	2,256	2,178	2,113	2,058	2,010	1,932	1,870	1,778	1,712	1,640	1,562	1,511	1,435	1,393	1,320	1,269	1,231
400	5,062	3,723	3,149	2,818	2,598	2,440	2,319	2,224	2,146	2,080	2,025	1,977	1,899	1,836	1,743	1,676	1,603	1,523	1,470	1,390	1,345	1,266	1,206	1,157
1000	5,039	3,703	3,129	2,799	2,579	2,421	2,300	2,204	2,126	2,061	2,006	1,958	1,879	1,816	1,722	1,654	1,581	1,499	1,445	1,363	1,316	1,230	1,162	1,098
10000	5,025	3,690	3,117	2,787	2,568	2,409	2,289	2,193	2,115	2,050	1,994	1,946	1,867	1,804	1,710	1,642	1,567	1,485	1,430	1,346	1,298	1,208	1,131	1,040