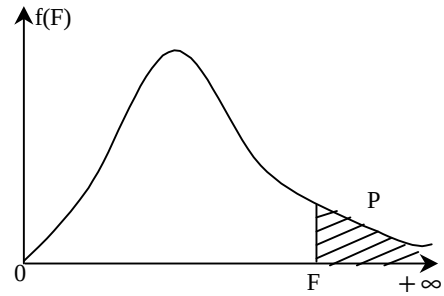
Loi de Fisher-Snedecor



Valeurs de F ayant 5% de chances d'être dépassées.

n_2 \ n_1	1	2	3	4	5	6	8	10	12	18	24	30	50	60	120
1	161,446	199,499	215,707	224,583	230,160	233,988	238,884	241,882	243,905	247,324	249,052	250,096	251,774	252,196	253,254
2	18,513	19,000	19,164	19,247	19,296	19,329	19,371	19,396	19,412	19,440	19,454	19,463	19,476	19,479	19,487
3	10,128	9,552	9,277	9,117	9,013	8,941	8,845	8,785	8,745	8,675	8,638	8,617	8,581	8,572	8,549
4	7,709	6,944	6,591	6,388	6,256	6,163	6,041	5,964	5,912	5,821	5,774	5,746	5,699	5,688	5,658
5	6,608	5,786	5,409	5,192	5,050	4,950	4,818	4,735	4,678	4,579	4,527	4,496	4,444	4,431	4,398
6	5,987	5,143	4,757	4,534	4,387	4,284	4,147	4,060	4,000	3,896	3,841	3,808	3,754	3,740	3,705
7	5,591	4,737	4,347	4,120	3,972	3,866	3,726	3,637	3,575	3,467	3,410	3,376	3,319	3,304	3,267
8	5,318	4,459	4,066	3,838	3,688	3,581	3,438	3,347	3,284	3,173	3,115	3,079	3,020	3,005	2,967
9	5,117	4,256	3,863	3,633	3,482	3,374	3,230	3,137	3,073	2,960	2,900	2,864	2,803	2,787	2,748
10	4,965	4,103	3,708	3,478	3,326	3,217	3,072	2,978	2,913	2,798	2,737	2,700	2,637	2,621	2,580
11	4,844	3,982	3,587	3,357	3,204	3,095	2,948	2,854	2,788	2,671	2,609	2,570	2,507	2,490	2,448
12	4,747	3,885	3,490	3,259	3,106	2,996	2,849	2,753	2,687	2,568	2,505	2,466	2,401	2,384	2,341
13	4,667	3,806	3,411	3,179	3,025	2,915	2,767	2,671	2,604	2,484	2,420	2,380	2,314	2,297	2,252
14	4,600	3,739	3,344	3,112	2,958	2,848	2,699	2,602	2,534	2,413	2,349	2,308	2,241	2,223	2,178
15	4,543	3,682	3,287	3,056	2,901	2,790	2,641	2,544	2,475	2,353	2,288	2,247	2,178	2,160	2,114
16	4,494	3,634	3,239	3,007	2,852	2,741	2,591	2,494	2,425	2,302	2,235	2,194	2,124	2,106	2,059
17	4,451	3,592	3,197	2,965	2,810	2,699	2,548	2,450	2,381	2,257	2,190	2,148	2,077	2,058	2,011
18	4,414	3,555	3,160	2,928	2,773	2,661	2,510	2,412	2,342	2,217	2,150	2,107	2,035	2,017	1,968
19	4,381	3,522	3,127	2,895	2,740	2,628	2,477	2,378	2,308	2,182	2,114	2,071	1,999	1,980	1,930
20	4,351	3,493	3,098	2,866	2,711	2,599	2,447	2,348	2,278	2,151	2,082	2,039	1,966	1,946	1,896
21	4,325	3,467	3,072	2,840	2,685	2,573	2,420	2,321	2,250	2,123	2,054	2,010	1,936	1,916	1,866
22	4,301	3,443	3,049	2,817	2,661	2,549	2,397	2,297	2,226	2,098	2,028	1,984	1,909	1,889	1,838
23	4,279	3,422	3,028	2,796	2,640	2,528	2,375	2,275	2,204	2,075	2,005	1,961	1,885	1,865	1,813
24	4,260	3,403	3,009	2,776	2,621	2,508	2,355	2,255	2,183	2,054	1,984	1,939	1,863	1,842	1,790
25	4,242	3,385	2,991	2,759	2,603	2,490	2,337	2,236	2,165	2,035	1,964	1,919	1,842	1,822	1,768
26	4,225	3,369	2,975	2,743	2,587	2,474	2,321	2,220	2,148	2,018	1,946	1,901	1,823	1,803	1,749
27	4,210	3,354	2,960	2,728	2,572	2,459	2,305	2,204	2,132	2,002	1,930	1,884	1,806	1,785	1,731
28	4,196	3,340	2,947	2,714	2,558	2,445	2,291	2,190	2,118	1,987	1,915	1,869	1,790	1,769	1,714
29	4,183	3,328	2,934	2,701	2,545	2,432	2,278	2,177	2,104	1,973	1,901	1,854	1,775	1,754	1,698
30	4,171	3,316	2,922	2,690	2,534	2,421	2,266	2,165	2,092	1,960	1,887	1,841	1,761	1,740	1,683
31	4,160	3,305	2,911	2,679	2,523	2,409	2,255	2,153	2,080	1,948	1,875	1,828	1,748	1,726	1,670
32	4,149	3,295	2,901	2,668	2,512	2,399	2,244	2,142	2,070	1,937	1,864	1,817	1,736	1,714	1,657
33	4,139	3,285	2,892	2,659	2,503	2,389	2,235	2,133	2,060	1,926	1,853	1,806	1,724	1,702	1,645
34	4,130	3,276	2,883	2,650	2,494	2,380	2,225	2,123	2,050	1,917	1,843	1,795	1,713	1,691	1,633
35	4,121	3,267	2,874	2,641	2,485	2,372	2,217	2,114	2,041	1,907	1,833	1,786	1,703	1,681	1,623
40	4,085	3,232	2,839	2,606	2,449	2,336	2,180	2,077	2,003	1,868	1,793	1,744	1,660	1,637	1,577
50	4,034	3,183	2,790	2,557	2,400	2,286	2,130	2,026	1,952	1,814	1,737	1,687	1,599	1,576	1,511
80	3,960	3,111	2,719	2,486	2,329	2,214	2,056	1,951	1,875	1,734	1,654	1,602	1,508	1,482	1,411
100	3,936	3,087	2,696	2,463	2,305	2,191	2,032	1,927	1,850	1,708	1,627	1,573	1,477	1,450	1,376
120	3,920	3,072	2,680	2,447	2,290	2,175	2,016	1,910	1,834	1,690	1,608	1,554	1,457	1,429	1,352

Valeurs de F ayant 2,5% de chances d'être dépassées.

n_2 \ n_1	1	2	3	4	5	6	8	10	12	18	24	30	50	60	120
1	647,793	799,482	864,151	899,599	921,835	937,114	956,643	968,634	976,725	990,345	997,272	1001,405	1008,098	1009,787	1014,036
2	38,506	39,000	39,166	39,248	39,298	39,331	39,373	39,398	39,415	39,442	39,457	39,465	39,478	39,481	39,489
3	17,443	16,044	15,439	15,101	14,885	14,735	14,540	14,419	14,337	14,196	14,124	14,081	14,010	13,992	13,947
4	12,218	10,649	9,979	9,604	9,364	9,197	8,980	8,844	8,751	8,592	8,511	8,461	8,381	8,360	8,309
5	10,007	8,434	7,764	7,388	7,146	6,978	6,757	6,619	6,525	6,362	6,278	6,227	6,144	6,123	6,069
6	8,813	7,260	6,599	6,227	5,988	5,820	5,600	5,461	5,366	5,202	5,117	5,065	4,980	4,959	4,904
7	8,073	6,542	5,890	5,523	5,285	5,119	4,899	4,761	4,666	4,501	4,415	4,362	4,276	4,254	4,199
8	7,571	6,059	5,416	5,053	4,817	4,652	4,433	4,295	4,200	4,034	3,947	3,894	3,807	3,784	3,728
9	7,209	5,715	5,078	4,718	4,484	4,320	4,102	3,964	3,868	3,701	3,614	3,560	3,472	3,449	3,392
10	6,937	5,456	4,826	4,468	4,236	4,072	3,855	3,717	3,621	3,453	3,365	3,311	3,221	3,198	3,140
11	6,724	5,256	4,630	4,275	4,044	3,881	3,664	3,526	3,430	3,261	3,173	3,118	3,027	3,004	2,944
12	6,554	5,096	4,474	4,121	3,891	3,728	3,512	3,374	3,277	3,108	3,019	2,963	2,871	2,848	2,787
13	6,414	4,965	4,347	3,996	3,767	3,604	3,388	3,250	3,153	2,983	2,893	2,837	2,744	2,720	2,659
14	6,298	4,857	4,242	3,892	3,663	3,501	3,285	3,147	3,050	2,879	2,789	2,732	2,638	2,614	2,552
15	6,200	4,765	4,153	3,804	3,576	3,415	3,199	3,060	2,963	2,792	2,701	2,644	2,549	2,524	2,461
16	6,115	4,687	4,077	3,729	3,502	3,341	3,125	2,986	2,889	2,717	2,625	2,568	2,472	2,447	2,383
17	6,042	4,619	4,011	3,665	3,438	3,277	3,061	2,922	2,825	2,652	2,560	2,502	2,405	2,380	2,315
18	5,978	4,560	3,954	3,608	3,382	3,221	3,005	2,866	2,769	2,596	2,503	2,445	2,347	2,321	2,256
19	5,922	4,508	3,903	3,559	3,333	3,172	2,956	2,817	2,720	2,546	2,452	2,394	2,295	2,270	2,203
20	5,871	4,461	3,859	3,515	3,289	3,128	2,913	2,774	2,676	2,501	2,408	2,349	2,249	2,223	2,156
21	5,827	4,420	3,819	3,475	3,250	3,090	2,874	2,735	2,637	2,462	2,368	2,308	2,208	2,182	2,114
22	5,786	4,383	3,783	3,440	3,215	3,055	2,839	2,700	2,602	2,426	2,332	2,272	2,171	2,145	2,076
23	5,750	4,349	3,750	3,408	3,183	3,023	2,808	2,668	2,570	2,394	2,299	2,239	2,137	2,111	2,041
24	5,717	4,319	3,721	3,379	3,155	2,995	2,779	2,640	2,541	2,365	2,269	2,209	2,107	2,080	2,010
25	5,686	4,291	3,694	3,353	3,129	2,969	2,753	2,613	2,515	2,338	2,242	2,182	2,079	2,052	1,981
26	5,659	4,265	3,670	3,329	3,105	2,945	2,729	2,590	2,491	2,314	2,217	2,157	2,053	2,026	1,954
27	5,633	4,242	3,647	3,307	3,083	2,923	2,707	2,568	2,469	2,291	2,195	2,133	2,029	2,002	1,930
28	5,610	4,221	3,626	3,286	3,063	2,903	2,687	2,547	2,448	2,270	2,174	2,112	2,007	1,980	1,907
29	5,588	4,201	3,607	3,267	3,044	2,884	2,669	2,529	2,430	2,251	2,154	2,092	1,987	1,959	1,886
30	5,568	4,182	3,589	3,250	3,026	2,867	2,651	2,511	2,412	2,233	2,136	2,074	1,968	1,940	1,866
31	5,549	4,165	3,573	3,234	3,010	2,851	2,635	2,495	2,396	2,217	2,119	2,057	1,950	1,922	1,848
32	5,531	4,149	3,557	3,218	2,995	2,836	2,620	2,480	2,381	2,201	2,103	2,041	1,934	1,905	1,831
33	5,515	4,134	3,543	3,204	2,981	2,822	2,606	2,466	2,366	2,187	2,088	2,026	1,918	1,890	1,815
34	5,499	4,120	3,529	3,191	2,968	2,808	2,593	2,453	2,353	2,173	2,075	2,012	1,904	1,875	1,799
35	5,485	4,106	3,517	3,179	2,956	2,796	2,581	2,440	2,341	2,160	2,062	1,999	1,890	1,861	1,785
40	5,424	4,051	3,463	3,126	2,904	2,744	2,529	2,388	2,288	2,107	2,007	1,943	1,832	1,803	1,724
50	5,340	3,975	3,390	3,054	2,833	2,674	2,458	2,317	2,216	2,033	1,931	1,866	1,752	1,721	1,639
80	5,218	3,864	3,284	2,950	2,730	2,571	2,355	2,213	2,111	1,925	1,820	1,752	1,632	1,599	1,508
100	5,179	3,828	3,250	2,917	2,696	2,537	2,321	2,179	2,077	1,890	1,784	1,715	1,592	1,558	1,463
120	5,152	3,805	3,227	2,894	2,674	2,515	2,299	2,157	2,055	1,866	1,760	1,690	1,565	1,530	1,433

Valeurs de F ayant 1% de chances d'être dépassées.

n_2 \ n_1	1	2	3	4	5	6	8	10	12	18	24	30	50	60	120
1	4052,185	4999,340	5403,534	5624,257	5763,955	5858,950	5980,954	6055,925	6106,682	6191,432	6234,273	6260,350	6302,260	6312,970	6339,513
2	98,502	99,000	99,164	99,251	99,302	99,331	99,375	99,397	99,419	99,444	99,455	99,466	99,477	99,484	99,491
3	34,116	30,816	29,457	28,710	28,237	27,911	27,489	27,228	27,052	26,751	26,597	26,504	26,354	26,316	26,221
4	21,198	18,000	16,694	15,977	15,522	15,207	14,799	14,546	14,374	14,079	13,929	13,838	13,690	13,652	13,558
5	16,258	13,274	12,060	11,392	10,967	10,672	10,289	10,051	9,888	9,609	9,466	9,379	9,238	9,202	9,112
6	13,745	10,925	9,780	9,148	8,746	8,466	8,102	7,874	7,718	7,451	7,313	7,229	7,091	7,057	6,969
7	12,246	9,547	8,451	7,847	7,460	7,191	6,840	6,620	6,469	6,209	6,074	5,992	5,858	5,824	5,737
8	11,259	8,649	7,591	7,006	6,632	6,371	6,029	5,814	5,667	5,412	5,279	5,198	5,065	5,032	4,946
9	10,562	8,022	6,992	6,422	6,057	5,802	5,467	5,257	5,111	4,860	4,729	4,649	4,517	4,483	4,398
10	10,044	7,559	6,552	5,994	5,636	5,386	5,057	4,849	4,706	4,457	4,327	4,247	4,115	4,082	3,996
11	9,646	7,206	6,217	5,668	5,316	5,069	4,744	4,539	4,397	4,150	4,021	3,941	3,810	3,776	3,690
12	9,330	6,927	5,953	5,412	5,064	4,821	4,499	4,296	4,155	3,910	3,780	3,701	3,569	3,535	3,449
13	9,074	6,701	5,739	5,205	4,862	4,620	4,302	4,100	3,960	3,716	3,587	3,507	3,375	3,341	3,255
14	8,862	6,515	5,564	5,035	4,695	4,456	4,140	3,939	3,800	3,556	3,427	3,348	3,215	3,181	3,094
15	8,683	6,359	5,417	4,893	4,556	4,318	4,004	3,805	3,666	3,423	3,294	3,214	3,081	3,047	2,959
16	8,531	6,226	5,292	4,773	4,437	4,202	3,890	3,691	3,553	3,310	3,181	3,101	2,967	2,933	2,845
17	8,400	6,112	5,185	4,669	4,336	4,101	3,791	3,593	3,455	3,212	3,083	3,003	2,869	2,835	2,746
18	8,285	6,013	5,092	4,579	4,248	4,015	3,705	3,508	3,371	3,128	2,999	2,919	2,784	2,749	2,660
19	8,185	5,926	5,010	4,500	4,171	3,939	3,631	3,434	3,297	3,054	2,925	2,844	2,709	2,674	2,584
20	8,096	5,849	4,938	4,431	4,103	3,871	3,564	3,368	3,231	2,989	2,859	2,778	2,643	2,608	2,517
21	8,017	5,780	4,874	4,369	4,042	3,812	3,506	3,310	3,173	2,931	2,801	2,720	2,584	2,548	2,457
22	7,945	5,719	4,817	4,313	3,988	3,758	3,453	3,258	3,121	2,879	2,749	2,667	2,531	2,495	2,403
23	7,881	5,664	4,765	4,264	3,939	3,710	3,406	3,211	3,074	2,832	2,702	2,620	2,483	2,447	2,354
24	7,823	5,614	4,718	4,218	3,895	3,667	3,363	3,168	3,032	2,789	2,659	2,577	2,440	2,403	2,310
25	7,770	5,568	4,675	4,177	3,855	3,627	3,324	3,129	2,993	2,751	2,620	2,538	2,400	2,364	2,270
26	7,721	5,526	4,637	4,140	3,818	3,591	3,288	3,094	2,958	2,715	2,585	2,503	2,364	2,327	2,233
27	7,677	5,488	4,601	4,106	3,785	3,558	3,256	3,062	2,926	2,683	2,552	2,470	2,330	2,294	2,198
28	7,636	5,453	4,568	4,074	3,754	3,528	3,226	3,032	2,896	2,653	2,522	2,440	2,300	2,263	2,167
29	7,598	5,420	4,538	4,045	3,725	3,499	3,198	3,005	2,868	2,626	2,495	2,412	2,271	2,234	2,138
30	7,562	5,390	4,510	4,018	3,699	3,473	3,173	2,979	2,843	2,600	2,469	2,386	2,245	2,208	2,111
31	7,530	5,362	4,484	3,993	3,675	3,449	3,149	2,955	2,820	2,577	2,445	2,362	2,221	2,183	2,086
32	7,499	5,336	4,459	3,969	3,652	3,427	3,127	2,934	2,798	2,555	2,423	2,340	2,198	2,160	2,062
33	7,471	5,312	4,437	3,948	3,630	3,406	3,106	2,913	2,777	2,534	2,402	2,319	2,176	2,139	2,040
34	7,444	5,289	4,416	3,927	3,611	3,386	3,087	2,894	2,758	2,515	2,383	2,299	2,156	2,118	2,019
35	7,419	5,268	4,396	3,908	3,592	3,368	3,069	2,876	2,740	2,497	2,364	2,281	2,137	2,099	2,000
40	7,314	5,178	4,313	3,828	3,514	3,291	2,993	2,801	2,665	2,421	2,288	2,203	2,058	2,019	1,917
50	7,171	5,057	4,199	3,720	3,408	3,186	2,890	2,698	2,563	2,318	2,183	2,098	1,949	1,909	1,803
80	6,963	4,881	4,036	3,563	3,255	3,036	2,742	2,551	2,415	2,169	2,032	1,944	1,788	1,746	1,630
100	6,895	4,824	3,984	3,513	3,206	2,988	2,694	2,503	2,368	2,120	1,983	1,893	1,735	1,692	1,572
120	6,851	4,787	3,949	3,480	3,174	2,956	2,663	2,472	2,336	2,089	1,950	1,860	1,700	1,656	1,533

Valeurs de F ayant 0,5% de chances d'être dépassées.

n_2 \ n_1	1	2	3	4	5	6	8	10	12	18	24	30	50	60	120
1	16212,463	19997,358	21614,134	22500,753	23055,822	23439,527	23923,814	24221,838	24426,728	24765,730	24937,093	25041,401	25212,765	25253,743	25358,051
2	198,503	199,012	199,158	199,245	199,303	199,332	199,376	199,390	199,419	199,449	199,449	199,478	199,478	199,478	199,492
3	55,552	49,800	47,468	46,195	45,391	44,838	44,125	43,685	43,387	42,881	42,623	42,466	42,211	42,150	41,990
4	31,332	26,284	24,260	23,154	22,456	21,975	21,352	20,967	20,705	20,258	20,030	19,892	19,667	19,611	19,469
5	22,785	18,314	16,530	15,556	14,939	14,513	13,961	13,618	13,385	12,985	12,780	12,656	12,454	12,402	12,274
6	18,635	14,544	12,917	12,028	11,464	11,073	10,566	10,250	10,034	9,664	9,474	9,358	9,170	9,122	9,001
7	16,235	12,404	10,883	10,050	9,522	9,155	8,678	8,380	8,176	7,826	7,645	7,534	7,354	7,309	7,193
8	14,688	11,043	9,597	8,805	8,302	7,952	7,496	7,211	7,015	6,678	6,503	6,396	6,222	6,177	6,065
9	13,614	10,107	8,717	7,956	7,471	7,134	6,693	6,417	6,227	5,899	5,729	5,625	5,454	5,410	5,300
10	12,827	9,427	8,081	7,343	6,872	6,545	6,116	5,847	5,661	5,340	5,173	5,071	4,902	4,859	4,750
11	12,226	8,912	7,600	6,881	6,422	6,102	5,682	5,418	5,236	4,921	4,756	4,654	4,488	4,445	4,337
12	11,754	8,510	7,226	6,521	6,071	5,757	5,345	5,085	4,906	4,595	4,431	4,331	4,165	4,123	4,015
13	11,374	8,186	6,926	6,233	5,791	5,482	5,076	4,820	4,643	4,334	4,173	4,073	3,908	3,866	3,758
14	11,060	7,922	6,680	5,998	5,562	5,257	4,857	4,603	4,428	4,122	3,961	3,862	3,697	3,655	3,547
15	10,798	7,701	6,476	5,803	5,372	5,071	4,674	4,424	4,250	3,946	3,786	3,687	3,523	3,480	3,372
16	10,576	7,514	6,303	5,638	5,212	4,913	4,521	4,272	4,099	3,797	3,638	3,539	3,375	3,332	3,224
17	10,384	7,354	6,156	5,497	5,075	4,779	4,389	4,142	3,971	3,670	3,511	3,412	3,248	3,206	3,097
18	10,218	7,215	6,028	5,375	4,956	4,663	4,276	4,030	3,860	3,560	3,402	3,303	3,139	3,096	2,987
19	10,073	7,093	5,916	5,268	4,853	4,561	4,177	3,933	3,763	3,464	3,306	3,208	3,043	3,000	2,891
20	9,944	6,987	5,818	5,174	4,762	4,472	4,090	3,847	3,678	3,380	3,222	3,123	2,959	2,916	2,806
21	9,829	6,891	5,730	5,091	4,681	4,393	4,013	3,771	3,602	3,305	3,147	3,049	2,884	2,841	2,730
22	9,727	6,806	5,652	5,017	4,609	4,322	3,944	3,703	3,535	3,239	3,081	2,982	2,817	2,774	2,663
23	9,635	6,730	5,582	4,950	4,544	4,259	3,882	3,642	3,474	3,179	3,021	2,922	2,756	2,713	2,602
24	9,551	6,661	5,519	4,890	4,486	4,202	3,826	3,587	3,420	3,125	2,967	2,868	2,702	2,658	2,546
25	9,475	6,598	5,462	4,835	4,433	4,150	3,776	3,537	3,370	3,075	2,918	2,819	2,652	2,609	2,496
26	9,406	6,541	5,409	4,785	4,384	4,103	3,730	3,492	3,325	3,031	2,873	2,774	2,607	2,563	2,450
27	9,342	6,489	5,361	4,740	4,340	4,059	3,687	3,450	3,284	2,990	2,832	2,733	2,565	2,522	2,408
28	9,284	6,440	5,317	4,698	4,300	4,020	3,649	3,412	3,246	2,952	2,794	2,695	2,527	2,483	2,369
29	9,230	6,396	5,276	4,659	4,262	3,983	3,613	3,376	3,211	2,917	2,759	2,660	2,492	2,448	2,333
30	9,180	6,355	5,239	4,623	4,228	3,949	3,580	3,344	3,179	2,885	2,727	2,628	2,459	2,415	2,300
31	9,133	6,316	5,204	4,590	4,195	3,918	3,549	3,314	3,149	2,855	2,697	2,598	2,429	2,385	2,269
32	9,090	6,281	5,172	4,559	4,166	3,889	3,521	3,286	3,121	2,828	2,670	2,570	2,401	2,356	2,240
33	9,049	6,248	5,141	4,531	4,138	3,861	3,495	3,260	3,095	2,802	2,644	2,544	2,374	2,330	2,213
34	9,012	6,217	5,113	4,504	4,112	3,836	3,470	3,235	3,071	2,778	2,620	2,520	2,350	2,305	2,188
35	8,976	6,188	5,086	4,479	4,088	3,812	3,447	3,212	3,048	2,755	2,597	2,497	2,327	2,282	2,164
40	8,828	6,066	4,976	4,374	3,986	3,713	3,350	3,117	2,953	2,661	2,502	2,401	2,230	2,184	2,064
50	8,626	5,902	4,826	4,232	3,849	3,579	3,219	2,988	2,825	2,533	2,373	2,272	2,097	2,050	1,925
80	8,335	5,665	4,611	4,028	3,652	3,387	3,032	2,803	2,641	2,349	2,188	2,084	1,903	1,854	1,720
100	8,241	5,589	4,542	3,963	3,589	3,325	2,972	2,744	2,583	2,290	2,128	2,024	1,840	1,790	1,652
120	8,179	5,539	4,497	3,921	3,548	3,285	2,933	2,705	2,544	2,251	2,089	1,984	1,798	1,747	1,606

Pour les grands échantillons, $\dfrac{s_1 - s_2}{s\sqrt{\dfrac{1}{2n_1} + \dfrac{1}{2n_2}}} \to \mathrm{N}(0,1)$ avec $s = \sqrt{\dfrac{n_1 s_1^2 + n_2 s_2^2}{n_1 + n_2 - 2}}$.