**Tabla 4.** Valores críticos de la distribución *F* Fisher-Snedecor para un α de 0,01. Grados de libertad del numerador en columnas y del denominador en filas.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **12** | **15** | **20** | **24** | **30** | **40** | **60** | **120** | **∞** |
| **1** | 4052,19 | 4999,52 | 5403,34 | 5624,62 | 5763,65 | 5858,97 | 5928,33 | 5981,1 | 6022,5 | 6055,85 | 6106,35 | 6157,28 | 6208,74 | 6234,6 | 6260,6 | 6286,8 | 6313 | 6339,4 | 6365,8 |
| **2** | 98,502 | 99,000 | 99,166 | 99,249 | 99,300 | 99,333 | 99,356 | 99,374 | 99,388 | 99,399 | 99,416 | 99,432 | 99,449 | 99,458 | 99,466 | 99,474 | 99,482 | 99,491 | 99,499 |
| **3** | 34,116 | 30,816 | 29,457 | 28,710 | 28,237 | 27,911 | 27,672 | 27,489 | 27,345 | 27,229 | 27,052 | 26,872 | 26,690 | 26,598 | 26,505 | 26,411 | 26,316 | 26,221 | 26,125 |
| **4** | 21,198 | 18,000 | 16,694 | 15,977 | 15,522 | 15,207 | 14,976 | 14,799 | 14,659 | 14,546 | 14,374 | 14,198 | 14,020 | 13,929 | 13,838 | 13,745 | 13,652 | 13,558 | 13,463 |
| **5** | 16,258 | 13,274 | 12,060 | 11,392 | 10,967 | 10,672 | 10,456 | 10,289 | 10,158 | 10,051 | 9,888 | 9,722 | 9,553 | 9,466 | 9,379 | 9,291 | 9,202 | 9,112 | 9,020 |
| **6** | 13,745 | 10,925 | 9,780 | 9,148 | 8,746 | 8,466 | 8,260 | 8,102 | 7,976 | 7,874 | 7,718 | 7,559 | 7,396 | 7,313 | 7,229 | 7,143 | 7,057 | 6,969 | 6,880 |
| **7** | 12,246 | 9,547 | 8,451 | 7,847 | 7,460 | 7,191 | 6,993 | 6,840 | 6,719 | 6,620 | 6,469 | 6,314 | 6,155 | 6,074 | 5,992 | 5,908 | 5,824 | 5,737 | 5,650 |
| **8** | 11,259 | 8,649 | 7,591 | 7,006 | 6,632 | 6,371 | 6,178 | 6,029 | 5,911 | 5,814 | 5,667 | 5,515 | 5,359 | 5,279 | 5,198 | 5,116 | 5,032 | 4,946 | 4,859 |
| **9** | 10,561 | 8,022 | 6,992 | 6,422 | 6,057 | 5,802 | 5,613 | 5,467 | 5,351 | 5,257 | 5,111 | 4,962 | 4,808 | 4,729 | 4,649 | 4,567 | 4,483 | 4,398 | 4,311 |
| **10** | 10,044 | 7,559 | 6,552 | 5,994 | 5,636 | 5,386 | 5,200 | 5,057 | 4,942 | 4,849 | 4,706 | 4,558 | 4,405 | 4,327 | 4,247 | 4,165 | 4,082 | 3,996 | 3,909 |
| **11** | 9,646 | 7,206 | 6,217 | 5,668 | 5,316 | 5,069 | 4,886 | 4,744 | 4,632 | 4,539 | 4,397 | 4,251 | 4,099 | 4,021 | 3,941 | 3,860 | 3,776 | 3,690 | 3,602 |
| **12** | 9,330 | 6,927 | 5,953 | 5,412 | 5,064 | 4,821 | 4,640 | 4,499 | 4,388 | 4,296 | 4,155 | 4,010 | 3,858 | 3,780 | 3,701 | 3,619 | 3,535 | 3,449 | 3,361 |
| **13** | 9,074 | 6,701 | 5,739 | 5,205 | 4,862 | 4,620 | 4,441 | 4,302 | 4,191 | 4,100 | 3,960 | 3,815 | 3,665 | 3,587 | 3,507 | 3,425 | 3,341 | 3,255 | 3,165 |
| **14** | 8,862 | 6,515 | 5,564 | 5,035 | 4,695 | 4,456 | 4,278 | 4,140 | 4,030 | 3,939 | 3,800 | 3,656 | 3,505 | 3,427 | 3,348 | 3,266 | 3,181 | 3,094 | 3,004 |
| **15** | 8,683 | 6,359 | 5,417 | 4,893 | 4,556 | 4,318 | 4,142 | 4,004 | 3,895 | 3,805 | 3,666 | 3,522 | 3,372 | 3,294 | 3,214 | 3,132 | 3,047 | 2,959 | 2,868 |
| **16** | 8,531 | 6,226 | 5,292 | 4,773 | 4,437 | 4,202 | 4,026 | 3,890 | 3,780 | 3,691 | 3,553 | 3,409 | 3,259 | 3,181 | 3,101 | 3,018 | 2,933 | 2,845 | 2,753 |
| **17** | 8,400 | 6,112 | 5,185 | 4,669 | 4,336 | 4,102 | 3,927 | 3,791 | 3,682 | 3,593 | 3,455 | 3,312 | 3,162 | 3,084 | 3,003 | 2,920 | 2,835 | 2,746 | 2,653 |

**Tabla 4.** Valores críticos de la distribución *F* Fisher-Snedecor para un α de 0,01.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **12** | **15** | **20** | **24** | **30** | **40** | **60** | **120** | **∞** |
| **18** | 8,285 | 6,013 | 5,092 | 4,579 | 4,248 | 4,015 | 3,841 | 3,705 | 3,597 | 3,508 | 3,371 | 3,227 | 3,077 | 2,999 | 2,919 | 2,835 | 2,749 | 2,660 | 2,566 |
| **19** | 8,185 | 5,926 | 5,010 | 4,500 | 4,171 | 3,939 | 3,765 | 3,631 | 3,523 | 3,434 | 3,297 | 3,153 | 3,003 | 2,925 | 2,844 | 2,761 | 2,674 | 2,584 | 2,489 |
| **20** | 8,096 | 5,849 | 4,938 | 4,431 | 4,103 | 3,871 | 3,699 | 3,564 | 3,457 | 3,368 | 3,231 | 3,088 | 2,938 | 2,859 | 2,778 | 2,695 | 2,608 | 2,517 | 2,421 |
| **21** | 8,017 | 5,780 | 4,874 | 4,369 | 4,042 | 3,812 | 3,640 | 3,506 | 3,398 | 3,310 | 3,173 | 3,030 | 2,880 | 2,801 | 2,720 | 2,635 | 2,548 | 2,457 | 2,360 |
| **22** | 7,945 | 5,719 | 4,817 | 4,313 | 3,988 | 3,758 | 3,587 | 3,453 | 3,346 | 3,258 | 3,121 | 2,978 | 2,827 | 2,749 | 2,667 | 2,583 | 2,495 | 2,403 | 2,305 |
| **23** | 7,881 | 5,664 | 4,765 | 4,264 | 3,939 | 3,710 | 3,539 | 3,406 | 3,299 | 3,211 | 3,074 | 2,931 | 2,781 | 2,702 | 2,620 | 2,535 | 2,447 | 2,354 | 2,256 |
| **24** | 7,823 | 5,614 | 4,718 | 4,218 | 3,895 | 3,667 | 3,496 | 3,363 | 3,256 | 3,168 | 3,032 | 2,889 | 2,738 | 2,659 | 2,577 | 2,492 | 2,403 | 2,310 | 2,211 |
| **25** | 7,770 | 5,568 | 4,675 | 4,177 | 3,855 | 3,627 | 3,457 | 3,324 | 3,217 | 3,129 | 2,993 | 2,850 | 2,699 | 2,620 | 2,538 | 2,453 | 2,364 | 2,270 | 2,169 |
| **26** | 7,721 | 5,526 | 4,637 | 4,140 | 3,818 | 3,591 | 3,421 | 3,288 | 3,182 | 3,094 | 2,958 | 2,815 | 2,664 | 2,585 | 2,503 | 2,417 | 2,327 | 2,233 | 2,131 |
| **27** | 7,677 | 5,488 | 4,601 | 4,106 | 3,785 | 3,558 | 3,388 | 3,256 | 3,149 | 3,062 | 2,926 | 2,783 | 2,632 | 2,552 | 2,470 | 2,384 | 2,294 | 2,198 | 2,097 |
| **28** | 7,636 | 5,453 | 4,568 | 4,074 | 3,754 | 3,528 | 3,358 | 3,226 | 3,120 | 3,032 | 2,896 | 2,753 | 2,602 | 2,522 | 2,440 | 2,354 | 2,263 | 2,167 | 2,064 |
| **29** | 7,598 | 5,420 | 4,538 | 4,045 | 3,725 | 3,499 | 3,330 | 3,198 | 3,092 | 3,005 | 2,868 | 2,726 | 2,574 | 2,495 | 2,412 | 2,325 | 2,234 | 2,138 | 2,034 |
| **30** | 7,562 | 5,390 | 4,510 | 4,018 | 3,699 | 3,473 | 3,305 | 3,173 | 3,067 | 2,979 | 2,843 | 2,700 | 2,549 | 2,469 | 2,386 | 2,299 | 2,208 | 2,111 | 2,006 |
| **40** | 7,314 | 5,179 | 4,313 | 3,828 | 3,514 | 3,291 | 3,124 | 2,993 | 2,888 | 2,801 | 2,665 | 2,522 | 2,369 | 2,288 | 2,203 | 2,114 | 2,019 | 1,917 | 1,805 |
| **60** | 7,077 | 4,977 | 4,126 | 3,649 | 3,339 | 3,119 | 2,953 | 2,823 | 2,718 | 2,632 | 2,496 | 2,352 | 2,198 | 2,115 | 2,028 | 1,936 | 1,836 | 1,726 | 1,601 |
| **120** | 6,851 | 4,787 | 3,949 | 3,480 | 3,174 | 2,956 | 2,792 | 2,663 | 2,559 | 2,474 | 2,336 | 2,192 | 2,035 | 1,950 | 1,860 | 1,763 | 1,656 | 1,533 | 1,381 |
| **∞** | 6,635 | 4,605 | 3,782 | 3,319 | 3,017 | 2,802 | 2,639 | 2,511 | 2,407 | 2,321 | 2,185 | 2,039 | 1,878 | 1,791 | 1,696 | 1,592 | 1,473 | 1,325 | 1,000 |

**Tabla 4.** Valores críticos de la distribución *F* Fisher-Snedecor para un α de 0,025.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **12** | **15** | **20** | **24** | **30** | **40** | **60** | **120** | **∞** |
| **1** | 648 | 799 | 864 | 900 | 922 | 937 | 948 | 957 | 963 | 969 | 977 | 985 | 993 | 997 | 1001 | 1006 | 1010 | 1014 | 1018 |
| **2** | 38,51 | 39,00 | 39,17 | 39,25 | 39,30 | 39,33 | 39,36 | 39,37 | 39,39 | 39,40 | 39,41 | 39,43 | 39,45 | 39,46 | 39,46 | 39,47 | 39,48 | 39,49 | 39,50 |
| **3** | 17,44 | 16,04 | 15,44 | 15,10 | 14,88 | 14,73 | 14,62 | 14,54 | 14,47 | 14,42 | 14,34 | 14,25 | 14,17 | 14,12 | 14,08 | 14,04 | 13,99 | 13,95 | 13,90 |
| **4** | 12,22 | 10,65 | 9,98 | 9,60 | 9,36 | 9,20 | 9,07 | 8,98 | 8,90 | 8,84 | 8,75 | 8,66 | 8,56 | 8,51 | 8,46 | 8,41 | 8,36 | 8,31 | 8,26 |
| **5** | 10,01 | 8,43 | 7,76 | 7,39 | 7,15 | 6,98 | 6,85 | 6,76 | 6,68 | 6,62 | 6,52 | 6,43 | 6,33 | 6,28 | 6,23 | 6,18 | 6,12 | 6,07 | 6,02 |
| **6** | 8,81 | 7,26 | 6,60 | 6,23 | 5,99 | 5,82 | 5,70 | 5,60 | 5,52 | 5,46 | 5,37 | 5,27 | 5,17 | 5,12 | 5,07 | 5,01 | 4,96 | 4,90 | 4,85 |
| **7** | 8,07 | 6,54 | 5,89 | 5,52 | 5,29 | 5,12 | 4,99 | 4,90 | 4,82 | 4,76 | 4,67 | 4,57 | 4,47 | 4,41 | 4,36 | 4,31 | 4,25 | 4,20 | 4,14 |
| **8** | 7,57 | 6,06 | 5,42 | 5,05 | 4,82 | 4,65 | 4,53 | 4,43 | 4,36 | 4,30 | 4,20 | 4,10 | 4,00 | 3,95 | 3,89 | 3,84 | 3,78 | 3,73 | 3,67 |
| **9** | 7,21 | 5,71 | 5,08 | 4,72 | 4,48 | 4,32 | 4,20 | 4,10 | 4,03 | 3,96 | 3,87 | 3,77 | 3,67 | 3,61 | 3,56 | 3,51 | 3,45 | 3,39 | 3,33 |
| **10** | 6,94 | 5,46 | 4,83 | 4,47 | 4,24 | 4,07 | 3,95 | 3,85 | 3,78 | 3,72 | 3,62 | 3,52 | 3,42 | 3,37 | 3,31 | 3,26 | 3,20 | 3,14 | 3,08 |
| **11** | 6,72 | 5,26 | 4,63 | 4,28 | 4,04 | 3,88 | 3,76 | 3,66 | 3,59 | 3,53 | 3,43 | 3,33 | 3,23 | 3,17 | 3,12 | 3,06 | 3,00 | 2,94 | 2,88 |
| **12** | 6,55 | 5,10 | 4,47 | 4,12 | 3,89 | 3,73 | 3,61 | 3,51 | 3,44 | 3,37 | 3,28 | 3,18 | 3,07 | 3,02 | 2,96 | 2,91 | 2,85 | 2,79 | 2,73 |
| **13** | 6,41 | 4,97 | 4,35 | 4,00 | 3,77 | 3,60 | 3,48 | 3,39 | 3,31 | 3,25 | 3,15 | 3,05 | 2,95 | 2,89 | 2,84 | 2,78 | 2,72 | 2,66 | 2,60 |
| **14** | 6,30 | 4,86 | 4,24 | 3,89 | 3,66 | 3,50 | 3,38 | 3,29 | 3,21 | 3,15 | 3,05 | 2,95 | 2,84 | 2,79 | 2,73 | 2,67 | 2,61 | 2,55 | 2,49 |
| **15** | 6,20 | 4,77 | 4,15 | 3,80 | 3,58 | 3,41 | 3,29 | 3,20 | 3,12 | 3,06 | 2,96 | 2,86 | 2,76 | 2,70 | 2,64 | 2,59 | 2,52 | 2,46 | 2,40 |
| **16** | 6,12 | 4,69 | 4,08 | 3,73 | 3,50 | 3,34 | 3,22 | 3,12 | 3,05 | 2,99 | 2,89 | 2,79 | 2,68 | 2,63 | 2,57 | 2,51 | 2,45 | 2,38 | 2,32 |
| **17** | 6,04 | 4,62 | 4,01 | 3,66 | 3,44 | 3,28 | 3,16 | 3,06 | 2,98 | 2,92 | 2,82 | 2,72 | 2,62 | 2,56 | 2,50 | 2,44 | 2,38 | 2,32 | 2,25 |

**Tabla 4.** Valores críticos de la distribución *F* Fisher-Snedecor para un α de 0,025.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **12** | **15** | **20** | **24** | **30** | **40** | **60** | **120** | **∞** |
| **18** | 5,98 | 4,56 | 3,95 | 3,61 | 3,38 | 3,22 | 3,10 | 3,01 | 2,93 | 2,87 | 2,77 | 2,67 | 2,56 | 2,50 | 2,44 | 2,38 | 2,32 | 2,26 | 2,19 |
| **19** | 5,92 | 4,51 | 3,90 | 3,56 | 3,33 | 3,17 | 3,05 | 2,96 | 2,88 | 2,82 | 2,72 | 2,62 | 2,51 | 2,45 | 2,39 | 2,33 | 2,27 | 2,20 | 2,13 |
| **20** | 5,87 | 4,46 | 3,86 | 3,51 | 3,29 | 3,13 | 3,01 | 2,91 | 2,84 | 2,77 | 2,68 | 2,57 | 2,46 | 2,41 | 2,35 | 2,29 | 2,22 | 2,16 | 2,09 |
| **21** | 5,83 | 4,42 | 3,82 | 3,48 | 3,25 | 3,09 | 2,97 | 2,87 | 2,80 | 2,73 | 2,64 | 2,53 | 2,42 | 2,37 | 2,31 | 2,25 | 2,18 | 2,11 | 2,04 |
| **22** | 5,79 | 4,38 | 3,78 | 3,44 | 3,22 | 3,05 | 2,93 | 2,84 | 2,76 | 2,70 | 2,60 | 2,50 | 2,39 | 2,33 | 2,27 | 2,21 | 2,14 | 2,08 | 2,00 |
| **23** | 5,75 | 4,35 | 3,75 | 3,41 | 3,18 | 3,02 | 2,90 | 2,81 | 2,73 | 2,67 | 2,57 | 2,47 | 2,36 | 2,30 | 2,24 | 2,18 | 2,11 | 2,04 | 1,97 |
| **24** | 5,72 | 4,32 | 3,72 | 3,38 | 3,15 | 2,99 | 2,87 | 2,78 | 2,70 | 2,64 | 2,54 | 2,44 | 2,33 | 2,27 | 2,21 | 2,15 | 2,08 | 2,01 | 1,94 |
| **25** | 5,69 | 4,29 | 3,69 | 3,35 | 3,13 | 2,97 | 2,85 | 2,75 | 2,68 | 2,61 | 2,51 | 2,41 | 2,30 | 2,24 | 2,18 | 2,12 | 2,05 | 1,98 | 1,91 |
| **26** | 5,66 | 4,27 | 3,67 | 3,33 | 3,10 | 2,94 | 2,82 | 2,73 | 2,65 | 2,59 | 2,49 | 2,39 | 2,28 | 2,22 | 2,16 | 2,09 | 2,03 | 1,95 | 1,88 |
| **27** | 5,63 | 4,24 | 3,65 | 3,31 | 3,08 | 2,92 | 2,80 | 2,71 | 2,63 | 2,57 | 2,47 | 2,36 | 2,25 | 2,19 | 2,13 | 2,07 | 2,00 | 1,93 | 1,85 |
| **28** | 5,61 | 4,22 | 3,63 | 3,29 | 3,06 | 2,90 | 2,78 | 2,69 | 2,61 | 2,55 | 2,45 | 2,34 | 2,23 | 2,17 | 2,11 | 2,05 | 1,98 | 1,91 | 1,83 |
| **29** | 5,59 | 4,20 | 3,61 | 3,27 | 3,04 | 2,88 | 2,76 | 2,67 | 2,59 | 2,53 | 2,43 | 2,32 | 2,21 | 2,15 | 2,09 | 2,03 | 1,96 | 1,89 | 1,81 |
| **30** | 5,57 | 4,18 | 3,59 | 3,25 | 3,03 | 2,87 | 2,75 | 2,65 | 2,57 | 2,51 | 2,41 | 2,31 | 2,20 | 2,14 | 2,07 | 2,01 | 1,94 | 1,87 | 1,79 |
| **40** | 5,42 | 4,05 | 3,46 | 3,13 | 2,90 | 2,74 | 2,62 | 2,53 | 2,45 | 2,39 | 2,29 | 2,18 | 2,07 | 2,01 | 1,94 | 1,88 | 1,80 | 1,72 | 1,64 |
| **60** | 5,29 | 3,93 | 3,34 | 3,01 | 2,79 | 2,63 | 2,51 | 2,41 | 2,33 | 2,27 | 2,17 | 2,06 | 1,94 | 1,88 | 1,82 | 1,74 | 1,67 | 1,58 | 1,48 |
| **120** | 5,15 | 3,80 | 3,23 | 2,89 | 2,67 | 2,52 | 2,39 | 2,30 | 2,22 | 2,16 | 2,05 | 1,94 | 1,82 | 1,76 | 1,69 | 1,61 | 1,53 | 1,43 | 1,31 |
| **∞** | 3,84 | 3,69 | 3,12 | 2,8 | 2,57 | 2,41 | 2,29 | 2,19 | 2,11 | 2,05 | 1,95 | 1,83 | 1,71 | 1,64 | 1,57 | 1,49 | 1,39 | 1,27 | 1,04 |

**Tabla 4.** Valores críticos de la distribución *F* Fisher-Snedecor para un α de 0,05.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **12** | **15** | **20** | **24** | **30** | **40** | **60** | **120** | **∞** |
| **1** | 161,4 | 199,5 | 215,7 | 224,6 | 230,2 | 234,0 | 236,8 | 238,9 | 240,5 | 241,9 | 243,9 | 245,9 | 248,0 | 249,1 | 250,1 | 251,1 | 252,2 | 253,3 | 254,3 |
| **2** | 18,51 | 19,00 | 19,16 | 19,25 | 19,30 | 19,33 | 19,35 | 19,37 | 19,38 | 19,40 | 19,41 | 19,43 | 19,45 | 19,45 | 19,46 | 19,47 | 19,48 | 19,49 | 19,50 |
| **3** | 10,13 | 9,55 | 9,28 | 9,12 | 9,01 | 8,94 | 8,89 | 8,85 | 8,81 | 8,79 | 8,74 | 8,70 | 8,66 | 8,64 | 8,62 | 8,59 | 8,57 | 8,55 | 8,53 |
| **4** | 7,71 | 6,94 | 6,59 | 6,39 | 6,26 | 6,16 | 6,09 | 6,04 | 6,00 | 5,96 | 5,91 | 5,86 | 5,80 | 5,77 | 5,75 | 5,72 | 5,69 | 5,66 | 5,63 |
| **5** | 6,61 | 5,79 | 5,41 | 5,19 | 5,05 | 4,95 | 4,88 | 4,82 | 4,77 | 4,74 | 4,68 | 4,62 | 4,56 | 4,53 | 4,50 | 4,46 | 4,43 | 4,40 | 4,37 |
| **6** | 5,99 | 5,14 | 4,76 | 4,53 | 4,39 | 4,28 | 4,21 | 4,15 | 4,10 | 4,06 | 4,00 | 3,94 | 3,87 | 3,84 | 3,81 | 3,77 | 3,74 | 3,70 | 3,67 |
| **7** | 5,59 | 4,74 | 4,35 | 4,12 | 3,97 | 3,87 | 3,79 | 3,73 | 3,68 | 3,64 | 3,57 | 3,51 | 3,44 | 3,41 | 3,38 | 3,34 | 3,30 | 3,27 | 3,23 |
| **8** | 5,32 | 4,46 | 4,07 | 3,84 | 3,69 | 3,58 | 3,50 | 3,44 | 3,39 | 3,35 | 3,28 | 3,22 | 3,15 | 3,12 | 3,08 | 3,04 | 3,01 | 2,97 | 2,93 |
| **9** | 5,12 | 4,26 | 3,86 | 3,63 | 3,48 | 3,37 | 3,29 | 3,23 | 3,18 | 3,14 | 3,07 | 3,01 | 2,94 | 2,90 | 2,86 | 2,83 | 2,79 | 2,75 | 2,71 |
| **10** | 4,96 | 4,10 | 3,71 | 3,48 | 3,33 | 3,22 | 3,14 | 3,07 | 3,02 | 2,98 | 2,91 | 2,85 | 2,77 | 2,74 | 2,70 | 2,66 | 2,62 | 2,58 | 2,54 |
| **11** | 4,84 | 3,98 | 3,59 | 3,36 | 3,20 | 3,09 | 3,01 | 2,95 | 2,90 | 2,85 | 2,79 | 2,72 | 2,65 | 2,61 | 2,57 | 2,53 | 2,49 | 2,45 | 2,41 |
| **12** | 4,75 | 3,89 | 3,49 | 3,26 | 3,11 | 3,00 | 2,91 | 2,85 | 2,80 | 2,75 | 2,69 | 2,62 | 2,54 | 2,51 | 2,47 | 2,43 | 2,38 | 2,34 | 2,30 |
| **13** | 4,67 | 3,81 | 3,41 | 3,18 | 3,03 | 2,92 | 2,83 | 2,77 | 2,71 | 2,67 | 2,60 | 2,53 | 2,46 | 2,42 | 2,38 | 2,34 | 2,30 | 2,25 | 2,21 |
| **14** | 4,60 | 3,74 | 3,34 | 3,11 | 2,96 | 2,85 | 2,76 | 2,70 | 2,65 | 2,60 | 2,53 | 2,46 | 2,39 | 2,35 | 2,31 | 2,27 | 2,22 | 2,18 | 2,13 |
| **15** | 4,54 | 3,68 | 3,29 | 3,06 | 2,90 | 2,79 | 2,71 | 2,64 | 2,59 | 2,54 | 2,48 | 2,40 | 2,33 | 2,29 | 2,25 | 2,20 | 2,16 | 2,11 | 2,07 |
| **16** | 4,49 | 3,63 | 3,24 | 3,01 | 2,85 | 2,74 | 2,66 | 2,59 | 2,54 | 2,49 | 2,42 | 2,35 | 2,28 | 2,24 | 2,19 | 2,15 | 2,11 | 2,06 | 2,01 |
| **17** | 4,45 | 3,59 | 3,20 | 2,96 | 2,81 | 2,70 | 2,61 | 2,55 | 2,49 | 2,45 | 2,38 | 2,31 | 2,23 | 2,19 | 2,15 | 2,10 | 2,06 | 2,01 | 1,96 |

**Tabla 4.** Valores críticos de la distribución *F* Fisher-Snedecor para un α de 0,05.

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  | **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **12** | **15** | **20** | **24** | **30** | **40** | **60** | **120** | **∞** |
| **18** | 4,41 | 3,55 | 3,16 | 2,93 | 2,77 | 2,66 | 2,58 | 2,51 | 2,46 | 2,41 | 2,34 | 2,27 | 2,19 | 2,15 | 2,11 | 2,06 | 2,02 | 1,97 | 1,92 |
| **19** | 4,38 | 3,52 | 3,13 | 2,90 | 2,74 | 2,63 | 2,54 | 2,48 | 2,42 | 2,38 | 2,31 | 2,23 | 2,16 | 2,11 | 2,07 | 2,03 | 1,98 | 1,93 | 1,88 |
| **20** | 4,35 | 3,49 | 3,10 | 2,87 | 2,71 | 2,60 | 2,51 | 2,45 | 2,39 | 2,35 | 2,28 | 2,20 | 2,12 | 2,08 | 2,04 | 1,99 | 1,95 | 1,90 | 1,84 |
| **21** | 4,32 | 3,47 | 3,07 | 2,84 | 2,68 | 2,57 | 2,49 | 2,42 | 2,37 | 2,32 | 2,25 | 2,18 | 2,10 | 2,05 | 2,01 | 1,96 | 1,92 | 1,87 | 1,81 |
| **22** | 4,30 | 3,44 | 3,05 | 2,82 | 2,66 | 2,55 | 2,46 | 2,40 | 2,34 | 2,30 | 2,23 | 2,15 | 2,07 | 2,03 | 1,98 | 1,94 | 1,89 | 1,84 | 1,78 |
| **23** | 4,28 | 3,42 | 3,03 | 2,80 | 2,64 | 2,53 | 2,44 | 2,37 | 2,32 | 2,27 | 2,20 | 2,13 | 2,05 | 2,01 | 1,96 | 1,91 | 1,86 | 1,81 | 1,76 |
| **24** | 4,26 | 3,40 | 3,01 | 2,78 | 2,62 | 2,51 | 2,42 | 2,36 | 2,30 | 2,25 | 2,18 | 2,11 | 2,03 | 1,98 | 1,94 | 1,89 | 1,84 | 1,79 | 1,73 |
| **25** | 4,24 | 3,39 | 2,99 | 2,76 | 2,60 | 2,49 | 2,40 | 2,34 | 2,28 | 2,24 | 2,16 | 2,09 | 2,01 | 1,96 | 1,92 | 1,87 | 1,82 | 1,77 | 1,71 |
| **26** | 4,23 | 3,37 | 2,98 | 2,74 | 2,59 | 2,47 | 2,39 | 2,32 | 2,27 | 2,22 | 2,15 | 2,07 | 1,99 | 1,95 | 1,90 | 1,85 | 1,80 | 1,75 | 1,69 |
| **27** | 4,21 | 3,35 | 2,96 | 2,73 | 2,57 | 2,46 | 2,37 | 2,31 | 2,25 | 2,20 | 2,13 | 2,06 | 1,97 | 1,93 | 1,88 | 1,84 | 1,79 | 1,73 | 1,67 |
| **28** | 4,20 | 3,34 | 2,95 | 2,71 | 2,56 | 2,45 | 2,36 | 2,29 | 2,24 | 2,19 | 2,12 | 2,04 | 1,96 | 1,91 | 1,87 | 1,82 | 1,77 | 1,71 | 1,65 |
| **29** | 4,18 | 3,33 | 2,93 | 2,70 | 2,55 | 2,43 | 2,35 | 2,28 | 2,22 | 2,18 | 2,10 | 2,03 | 1,94 | 1,90 | 1,85 | 1,81 | 1,75 | 1,70 | 1,64 |
| **30** | 4,17 | 3,32 | 2,92 | 2,69 | 2,53 | 2,42 | 2,33 | 2,27 | 2,21 | 2,16 | 2,09 | 2,01 | 1,93 | 1,89 | 1,84 | 1,79 | 1,74 | 1,68 | 1,62 |
| **40** | 4,08 | 3,23 | 2,84 | 2,61 | 2,45 | 2,34 | 2,25 | 2,18 | 2,12 | 2,08 | 2,00 | 1,92 | 1,84 | 1,79 | 1,74 | 1,69 | 1,64 | 1,58 | 1,51 |
| **60** | 4,00 | 3,15 | 2,76 | 2,53 | 2,37 | 2,25 | 2,17 | 2,10 | 2,04 | 1,99 | 1,92 | 1,84 | 1,75 | 1,70 | 1,65 | 1,59 | 1,53 | 1,47 | 1,39 |
| **120** | 3,92 | 3,07 | 2,68 | 2,45 | 2,29 | 2,18 | 2,09 | 2,02 | 1,96 | 1,91 | 1,83 | 1,75 | 1,66 | 1,61 | 1,55 | 1,50 | 1,43 | 1,35 | 1,26 |
| **∞** | 3,84 | 3,00 | 2,61 | 2,4 | 2,21 | 2,10 | 2,01 | 1,94 | 1,88 | 1,83 | 1,75 | 1,67 | 1,57 | 1,52 | 1,46 | 1,40 | 1,32 | 1,22 | 1,03 |