**Πίνακας Γ–7 Η κατανομή** $χ^{2}$

|  |  |
| --- | --- |
|  | **Περιοχή στη δεξιά πλευρά της κατανομής** |
| $$n$$ | **0,995** | **0,99** | **0,975** | **0,95** | **0,90** | **0,10** | **0,05** | **0,025** | **0,01** | **0,005** |
| **1** | - | - | 0,001 | 0,004 | 0,016 | 2,706 | 3,841 | 5,024 | 6,635 | 7,879 |
| **2** | 0,010 | 0,020 | 0,051 | 0,103 | 0,211 | 4,605 | 5,991 | 7,378 | 9,210 | 10,597 |
| **3** | 0,072 | 0,115 | 0,216 | 0,352 | 0,584 | 6,251 | 7,815 | 9,348 | 11,345 | 12,838 |
| **4** | 0,207 | 0,297 | 0,484 | 0,711 | 1,064 | 7,779 | 9,448 | 11,143 | 13,277 | 14,860 |
| **5** | 0,412 | 0,554 | 0,831 | 1,145 | 1,610 | 9,236 | 11,070 | 12,833 | 15,086 | 16,750 |
| **6** | 0,676 | 0,872 | 1,237 | 1,635 | 2,204 | 10,645 | 12,592 | 14,449 | 16,812 | 18,548 |
| **7** | 0,989 | 1,239 | 1,690 | 2,167 | 2,833 | 12,017 | 14,067 | 16,013 | 18,475 | 20,278 |
| **8** | 1,344 | 1,646 | 2,180 | 2,733 | 3,490 | 13,362 | 15,507 | 17,535 | 20,090 | 21,995 |
| **9** | 1,735 | 2,088 | 2,700 | 3,325 | 4,168 | 14,684 | 16,919 | 19,023 | 21,666 | 23,589 |
| **10** | 2,156 | 2,558 | 3,247 | 3,940 | 4,865 | 15,987 | 18,307 | 20,483 | 23,029 | 25,188 |
| **11** | 2,603 | 3,053 | 3,816 | 4,575 | 5,578 | 17,275 | 19,675 | 21,920 | 24,725 | 26,757 |
| **12** | 3,074 | 3,571 | 4,404 | 5,226 | 6,304 | 18,549 | 21,026 | 23,337 | 26,217 | 28,300 |
| **13** | 3,565 | 4,107 | 5,009 | 5,892 | 7,042 | 19,812 | 22,362 | 24,736 | 27,688 | 29,819 |
| **14** | 4,075 | 4,660 | 5,629 | 6,571 | 7,790 | 21,064 | 23,685 | 26,119 | 29,141 | 31,319 |
| **15** | 4,601 | 5,229 | 6,262 | 7,261 | 8,547 | 22,307 | 24,996 | 27,488 | 30,578 | 32,801 |
| **16** | 5,142 | 5,812 | 6,908 | 7,962 | 9,312 | 23,542 | 26,296 | 28,845 | 32,000 | 34,267 |
| **17** | 5,697 | 6,408 | 7,564 | 8,672 | 10,085 | 24,769 | 27,587 | 30,191 | 33,409 | 35,718 |
| **18** | 6,265 | 7,015 | 8,231 | 9,390 | 10,865 | 25,989 | 28,869 | 31,526 | 34,805 | 37,156 |
| **19** | 6,844 | 7,633 | 8,907 | 10,117 | 11,651 | 27,204 | 30,144 | 32,852 | 36,191 | 38,582 |
| **20** | 7,434 | 8,260 | 9,591 | 10,851 | 12,443 | 28,412 | 31,410 | 34,170 | 37,566 | 39,997 |
| **21** | 8,034 | 8,897 | 10,283 | 11,591 | 13,240 | 29,615 | 32,671 | 35,479 | 38,932 | 41,401 |
| **22** | 8,643 | 9,542 | 10,982 | 12,998 | 14,041 | 30,813 | 33,924 | 36,781 | 40,289 | 42,796 |
| **23** | 9,260 | 10,196 | 11,689 | 13,091 | 14,848 | 32,007 | 35,172 | 38,076 | 41,638 | 44,181 |
| **24** | 9,886 | 10,856 | 12,401 | 13,848 | 15,659 | 33,196 | 36,415 | 39,364 | 42,980 | 45,559 |
| **25** | 10,520 | 11,524 | 13,120 | 14,611 | 16,473 | 34,382 | 37,652 | 40,646 | 44,314 | 46,928 |
| **26** | 11,160 | 12,198 | 13,844 | 15,379 | 17,292 | 35,563 | 38,885 | 41,923 | 45,642 | 48,290 |
| **27** | 11,808 | 12,879 | 14,573 | 16,151 | 18,114 | 36,741 | 40,113 | 43,195 | 46,963 | 49,645 |
| **28** | 12,461 | 13,565 | 15,308 | 16,928 | 19,939 | 37,916 | 41,337 | 44,461 | 48,278 | 50,993 |
| **29** | 13,121 | 14,256 | 16,047 | 17,708 | 19,768 | 39,087 | 42,557 | 45,722 | 49,588 | 52,336 |
| **30** | 13,787 | 14,953 | 16,791 | 18,493 | 20,599 | 40,256 | 43,773 | 46,979 | 50,892 | 53,672 |

**Πίνακας Κριτικές τιμές για τον προσημασμένο έλεγχο τάξεων του Wilcoxon**

**Πίνακας: Κριτικές τιμές για τον προσημασμένο έλεγχο τάξεων του Wilcoxon**

|  |  |
| --- | --- |
| Βαθμοί Ελευθερίας Ν  | Μονόπλευρος |
| 0,1 | 0,05 | 0,025 | 0,01 | 0,001 |
| Δίπλευρος |
| 0,2 | 0,1 | 0,05 | 0,02 | 0,002 |
| 4 | 0 |  |  |  |   |
| 5 | 2 |  |  |  |   |
| 6 | 4 | 2 | 0 |  |   |
| 7 | 6 | 3 | 2 | 0 |   |
| 8 | 8 | 5 | 3 | 1 |   |
| 9 | 11 | 8 | 5 | 3 |   |
| 10 | 14 | 10 | 8 | 5 | 0 |
| 11 | 18 | 13 | 10 | 7 | 1 |
| 12 | 22 | 17 | 14 | 10 | 2 |
| 13 | 26 | 21 | 17 | 12 | 4 |
| 14 | 31 | 25 | 21 | 15 | 6 |
| 15 | 37 | 30 | 25 | 19 | 8 |
| 16 | 42 | 35 | 29 | 23 | 11 |
| 17 | 49 | 41 | 35 | 28 | 14 |
| 18 | 55 | 47 | 40 | 32 | 18 |
| 19 | 62 | 53 | 46 | 37 | 21 |
| 20 | 70 | 60 | 52 | 43 | 23 |