

Aplikace matematiky

Zbyněk Šidák

Tables for the two-sample median test

Aplikace matematiky, Vol. 20 (1975), No. 6, 406–420

Persistent URL: <http://dml.cz/dmlcz/103608>

Terms of use:

© Institute of Mathematics AS CR, 1975

Institute of Mathematics of the Czech Academy of Sciences provides access to digitized documents strictly for personal use. Each copy of any part of this document must contain these *Terms of use*.



This document has been digitized, optimized for electronic delivery and stamped with digital signature within the project *DML-CZ: The Czech Digital Mathematics Library* <http://dml.cz>

TABLES FOR THE TWO-SAMPLE MEDIAN TEST

ZBYNĚK ŠIDÁK

(Received April 4, 1975)

Summary. The paper contains tables for the non-parametric median test for two samples whose sizes m, n satisfy $3 \leq m \leq n, m + n \leq 41$. We tabulate the probabilities of the upper tail of the distribution up to the point where 10% is exceeded for the first time.

Description of the test. Let us have two random samples X_1, \dots, X_m and Y_1, \dots, Y_n with densities f_1 and f_2 , respectively, and suppose that the notation is chosen so that $m \leq n$. Our aim is to test the hypothesis H_0 that f_1 and f_2 are identical but otherwise arbitrary against the alternatives of shift in location expressed by $f_1(x) = f(x - \Delta)$, $f_2(x) = f(x)$, where $\Delta > 0$, or $\Delta < 0$ (one-sided alternatives), or $\Delta \neq 0$ (two-sided alternative).

The median test is performed very easily. First, we pool both samples and find the median of this pooled sample. (Since we assume the existence of densities, with probability 1 all the sample values are distinct and the median is defined uniquely.) More formally, if we put $X_{m+1} = Y_1, \dots, X_{m+n} = Y_n$, and if $X^{(1)} < X^{(2)} < \dots < X^{(m+n)}$ are the values of the pooled sample $X_1, \dots, X_m, X_{m+1}, \dots, X_{m+n}$ arranged in the order of their magnitude, then the median is $X^{((m+n+1)/2)}$ for $m + n$ odd, and $\frac{1}{2}[X^{((m+n)/2)} + X^{((m+n)/2+1)}]$ for $m + n$ even. The test statistic S of our median test is then equal to the number of the values X_i , $i = 1, \dots, m$, exceeding this median, increased in addition by 0.5 if and only if $m + n$ is odd and the median coincides with some value X_i , $i = 1, \dots, m$.

In a concise mathematical formula, we can write $S = \sum_{i=1}^m a_{m+n}(R_i)$, where R_i is the rank of X_i in the pooled sample $X_1, \dots, X_m, X_{m+1}, \dots, X_{m+n}$, and the scores a_{m+n} are given by $a_{m+n}(j) = \frac{1}{2}[\text{sign}(j - \frac{1}{2}(m + n + 1)) + 1]$ for $j = 1, \dots, m + n$.

We may note that the median test is asymptotically optimum (in the class of all tests) for the above-mentioned two-sample problem of shift in location, if f is of the double-exponential type, i.e. if $f(x) = (2\sigma)^{-1} e^{-|x-\mu|/\sigma}$ (cf. Hájek-Šidák [1], Section III.1.1).

Description of the table. Table 1 should be read one double-column after the other, and we tabulate here the upper tails of the distribution of the statistic S , under H_0 , for all pairs m, n such that $3 \leq m \leq n$, $m + n \leq 41$. In each double-column, following the heading m, n , the left column shows possible critical values c_α of S , while the right column shows the corresponding one-sided significance levels $\alpha = 100P\{S \geq c_\alpha\}$ (i.e. in per cents) rounded off to three decimal places. The tabulation begins by the largest c_α for which the corresponding α (rounded off to three decimal places) is > 0.000 , and continues with all possible consecutive values c_α of S until such c_α is reached for which the corresponding α exceeds for the first time 10.000%.

For the computation of Table 1 we used the formula

$$P\{S = k\} = \binom{\lceil \frac{1}{2}(m+n) \rceil}{k} \binom{\lceil \frac{1}{2}(m+n) \rceil}{m-k} \left(\frac{m+n}{m}\right)^{-1}$$

(where $\lceil x \rceil$ denotes the largest integer not exceeding x), valid for $k = 0, 1, \dots, m$ whenever $m + n$ is even) and for $k = 0, \frac{1}{2}, \dots, m - \frac{1}{2}, m$ whenever $m + n$ is odd. (Cf. Hájek-Šidák [1], Theorem IV. 2.1.a.) The present author is deeply indebted to M. Nosál for programming the computation.

It may be observed further, that the distribution (under H_0) of S is symmetric about its mean value $ES = \frac{1}{2}m$, and its variance is

$$\begin{aligned} \text{var } S &= mn/[4(m+n-1)] \quad \text{for } m+n \text{ even,} \\ &= mn/[4(m+n)] \quad \text{for } m+n \text{ odd.} \end{aligned}$$

If we are testing H_0 against the one-sided alternative $\Delta > 0$ (i.e. f_1 is shifted to the right with respect to f_2), we use the critical region $\{S \geq c_\alpha\}$ and the corresponding significance level is the tabulated α . If we are testing against $\Delta < 0$ (i.e. f_1 is shifted to the left), we use the critical region $\{S \leq m - c_\alpha\}$ whose significance level is again α . If we are testing against the two-sided alternative $\Delta \neq 0$, we use the critical region $\{S \geq c_\alpha \text{ or } S \leq m - c_\alpha\}$ whose significance level is equal to 2α .

Example. Let one sample contain the values 81; 105; 33; 78; 126; 61; 88, the other sample the values 32; 83; 50; 59; 10; 45. For the application of our table we must have $m \leq n$, therefore the latter sample must be denoted as X_1, \dots, X_6 , and the former sample as Y_1, \dots, Y_7 . The median of the pooled sample is 61. The number of the values X_i exceeding 61 is 1; $m + n$ is odd but the median is one of the values Y_j , so that we shall not add the number 0.5. Therefore $S = 1$. In Table 1 we find for $m = 6, n = 7, c_\alpha = 5.0$ the one-sided significance level $\alpha = 2.506\%$. If we are testing against the one-sided alternative $\Delta < 0$, we use the critical region $\{S \leq 6 - 5\} = \{S \leq 1\}$ so that H_0 may be rejected at the level $\alpha = 2.506\%$. If we are testing against the two-sided alternative $\Delta \neq 0$, we use the critical region $\{S \geq 5 \text{ or } S \leq 1\}$ so that H_0 may be rejected at the level $2\alpha = 5.012\%$.

Remark on asymptotic normality. For large sizes m, n we may use the normal approximation, since the standardized test statistic $(S - \mathbf{E}S)/(\text{var } S)^{1/2}$ has (under H_0) asymptotically the standardized normal distribution whenever $m \rightarrow \infty, n \rightarrow \infty$ in an arbitrary manner (cf. Hájek-Šidák [1], Section III.1.1).

Remark on ties. In practice, equal observations sometimes occur in the samples. In this case, we may use e.g. the following “method of average scores” (cf. Hájek-Šidák [1], Section III.8.1). First, in each group of equal observations, the observations are arranged in some auxiliary ordering, and the median is then found as usually. The only trouble in calculating the value of S arises with the group of observations that are equal to the median; this group will be called the median group, and let it contain a values X_i , and b values Y_j . Further, in our auxiliary ordering, let the median group contain r values preceding the median, and s values exceeding the median.

If $m + n$ is even, the median group has $a + b = r + s$ values, and the average score in it is $(r . 0 + s . 1)/(r + s)$; hence S equals the number of X_i 's larger than the median, plus $as/(r + s)$.

If $m + n$ is odd, the median group has $a + b = r + s + 1$ values, and the average score in it is $(r . 0 + \frac{1}{2} + s . 1)/(r + s + 1)$; hence S equals the number of X_i 's larger than the median, plus $a(s + \frac{1}{2})/(r + s + 1)$.

If the median group does not contain too many observations, we can still use our Table 1 as an approximation.

Remark on related tests. Several closely related tests have been introduced in the past under the name “median test”. E.g. many authors define the “median test” statistic S_0 simply as the number of X_i 's larger than the median of the pooled sample (without possible adding $\frac{1}{2}$); however, the distribution of S_0 for $m + n$ odd is not symmetric. In the book [1] and in the present tables we have preferred the statistic S defined above, because the calculation of S is practically not more difficult than that of S_0 but S has two advantages: its distribution is always symmetric, and it offers, for $m + n$ odd, a richer choice of possible significance levels.

Still some other forms of the “median test” statistic have been employed, e.g. those arising from the expression of the problem as a 2×2 contingency table, or the statistic being equal to the number of X_i 's exceeding the median of Y_j 's (cf. Hájek-Šidák [1], Section III.1.1).

Reference

- [1] J. Hájek, Z. Šidák: Theory of rank tests. Academia, Prague & Academic Press, New York — London 1967.

Table 1. Critical values c_α of the median test statistic S and significance levels $100 P \{S \geq c_\alpha\}$
(i.e. in per cents)

$m = 3, n = 3$	$m = 3, n = 16$	$m = 3, n = 32$	$m = 4, n = 11$
3·0 5·000	3·0 8·669	3·0 10·390	4·0 2·564
2·0 50·000	2·5 12·384		3·5 5·128
		$m = 3, n = 33$	3·0 23·077
		3·0 11·429	
$m = 3, n = 4$	$m = 3, n = 17$	$m = 3, n = 34$	$m = 4, n = 12$
3·0 2·857	3·0 10·526	3·0 10·502	4·0 3·846
2·5 11·429			3·0 28·462
$m = 3, n = 5$	$m = 3, n = 18$	$m = 3, n = 35$	$m = 4, n = 13$
3·0 7·143	3·0 9·023	3·0 11·486	4·0 2·941
2·0 50·000	2·5 12·406		3·5 5·294
		$m = 3, n = 36$	3·0 24·118
$m = 3, n = 6$	$m = 3, n = 19$	$m = 3, n = 37$	$m = 4, n = 14$
3·0 4·762	3·0 10·714	3·0 11·538	4·0 4·118
2·5 11·905			3·0 28·824
$m = 3, n = 7$	$m = 3, n = 20$	$m = 3, n = 38$	$m = 4, n = 15$
3·0 8·333	3·0 9·317	3·0 10·694	4·0 3·251
2·0 50·000	2·5 12·422		3·5 5·418
		$m = 3, n = 4$	3·0 24·923
$m = 3, n = 8$	$m = 3, n = 21$	$m = 3, n = 5$	$m = 4, n = 16$
3·0 6·061	3·0 10·870	4·0 0·794	4·0 4·334
2·5 12·121		3·5 3·968	3·0 29·102
		3·0 16·667	
$m = 3, n = 9$	$m = 3, n = 23$	$m = 3, n = 6$	$m = 4, n = 17$
3·0 9·091	3·0 11·000	4·0 2·381	4·0 3·509
2·0 50·000		3·0 26·190	3·5 5·514
			3·0 25·564
$m = 3, n = 10$	$m = 3, n = 24$	$m = 3, n = 7$	$m = 4, n = 18$
3·0 6·993	3·0 9·778	4·0 1·515	4·0 4·511
2·5 12·238	2·5 12·444	3·5 4·545	3·0 29·323
		3·0 19·697	
$m = 3, n = 11$	$m = 3, n = 25$	$m = 3, n = 8$	$m = 4, n = 19$
3·0 9·615	3·0 11·111	4·0 3·030	4·0 3·727
2·0 50·000		3·0 27·273	3·5 5·590
			3·0 26·087
$m = 3, n = 12$	$m = 3, n = 26$	$m = 3, n = 9$	$m = 4, n = 20$
3·0 7·692	3·0 9·962	4·0 2·098	4·0 4·658
2·5 12·308	2·5 12·452	3·5 4·895	3·0 29·503
		3·0 21·678	
$m = 3, n = 13$	$m = 3, n = 27$	$m = 3, n = 10$	$m = 4, n = 21$
3·0 10·000	3·0 11·207	4·0 3·497	4·0 3·913
2·0 50·000		3·0 27·972	3·5 5·652
			3·0 26·522
$m = 3, n = 14$	$m = 3, n = 28$		
3·0 8·235	3·0 10·122		
2·5 12·353			
$m = 3, n = 15$	$m = 3, n = 29$		
3·0 10·294	3·0 11·290		
$m = 3, n = 16$	$m = 3, n = 30$		
	3·0 10·264		
$m = 3, n = 17$	$m = 3, n = 31$		
	3·0 11·364		

$m = 4, n = 22$ 4·0 4·783 3·0 29·652	$m = 4, n = 34$ 4·0 5·251 3·0 30·193	$m = 5, n = 12$ 5·0 0·905 4·5 2·036 4·0 11·086	$m = 5, n = 24$ 5·0 1·686 4·5 2·529 4·0 14·330
$m = 4, n = 23$ 4·0 4·074 3·5 5·704 3·0 26·889	$m = 4, n = 35$ 4·0 4·712 3·5 5·891 3·0 28·274	$m = 5, n = 13$ 5·0 1·471 4·0 14·706	$m = 5, n = 25$ 5·0 2·107 4·0 16·475
$m = 4, n = 24$ 4·0 4·889 3·0 29·778	$m = 4, n = 36$ 4·0 5·301 3·0 30·249	$m = 5, n = 14$ 5·0 1·084 4·5 2·167 4·0 11·920	$m = 5, n = 26$ 5·0 1·767 4·5 2·571 4·0 14·621
$m = 4, n = 25$ 4·0 4·215 3·5 5·747 3·0 27·203	$m = 4, n = 37$ 4·0 4·784 3·5 5·910 3·0 28·424	$m = 5, n = 15$ 5·0 1·625 4·0 15·170	$m = 5, n = 27$ 5·0 2·169 4·0 16·630
$m = 4, n = 26$ 4·0 4·981 3·0 29·885	$m = 5, n = 5$ 5·0 0·397 4·0 10·317	$m = 5, n = 16$ 5·0 1·238 4·5 2·270 4·0 12·590	$m = 5, n = 28$ 5·0 1·840 4·5 2·607 4·0 14·877
$m = 4, n = 27$ 4·0 4·338 3·5 5·784 3·0 27·475	$m = 5, n = 6$ 5·0 0·216 4·5 1·299 4·0 6·710 3·5 17·532	$m = 5, n = 17$ 5·0 1·754 4·0 15·539	$m = 5, n = 29$ 5·0 2·224 4·0 16·764
$m = 4, n = 28$ 4·0 5·061 3·0 29·978	$m = 5, n = 7$ 5·0 0·758 4·0 12·121	$m = 5, n = 18$ 5·0 1·373 4·5 2·354 4·0 13·142	$m = 5, n = 30$ 5·0 1·906 4·5 2·639 4·0 15·103
$m = 4, n = 29$ 4·0 4·448 3·5 5·816 3·0 27·713	$m = 5, n = 8$ 5·0 0·466 4·5 1·632 4·0 8·625 3·5 17·949	$m = 5, n = 19$ 5·0 1·863 4·0 15·839	$m = 5, n = 31$ 5·0 2·273 4·0 16·883
$m = 4, n = 30$ 4·0 5·132 3·0 30·059	$m = 5, n = 9$ 5·0 1·049 4·0 13·287	$m = 5, n = 20$ 5·0 1·491 4·5 2·422 4·0 13·602	$m = 5, n = 32$ 5·0 1·966 4·5 2·668 4·0 15·304
$m = 4, n = 31$ 4·0 4·545 3·5 5·844 3·0 27·922	$m = 5, n = 10$ 5·0 0·699 4·5 1·865 4·0 10·023	$m = 5, n = 21$ 5·0 1·957 4·0 16·087	$m = 5, n = 33$ 5·0 2·317 4·0 16·988
$m = 4, n = 32$ 4·0 5·195 3·0 30·130	$m = 5, n = 11$ 5·0 1·282 4·0 14·103	$m = 5, n = 22$ 5·0 1·594 4·5 2·480 4·0 13·994	$m = 5, n = 34$ 5·0 2·020 4·5 2·693 4·0 15·484
$m = 4, n = 33$ 4·0 4·633 3·5 5·869 3·0 28·108		$m = 5, n = 23$ 5·0 2·037 4·0 16·296	$m = 5, n = 35$ 5·0 2·356 4·0 17·082

$m = 5, n = 36$	$m = 6, n = 14$	$m = 6, n = 23$	$m = 6, n = 32$
5·0 2·069	6·0 0·542	6·0 0·632	6·0 0·983
4·5 2·715	5·0 7·043	5·5 1·054	5·0 8·986
4·0 15·646	4·0 31·424	5·0 6·954	4·0 32·994
$m = 6, n = 6$	$m = 6, n = 15$	$m = 6, n = 24$	$m = 6, n = 33$
6·0 0·108	6·0 0·387	6·0 0·843	6·0 0·832
5·0 4·004	5·5 0·851	5·0 8·429	5·5 1·188
4·0 28·355	5·0 5·495	4·5 9·904	5·0 7·960
$m = 6, n = 7$	$m = 6, n = 16$	$m = 6, n = 25$	$m = 6, n = 34$
6·0 0·058	6·0 0·619	6·0 0·680	6·0 1·010
5·5 0·408	5·5 0·915	5·5 1·088	5·0 9·088
5·0 2·506	5·0 5·950	5·0 7·206	4·0 33·071
4·5 7·751	4·5 9·546	4·5 9·986	$m = 6, n = 35$
4·0 20·862	4·0 31·756	4·0 29·452	6·0 0·862
$m = 6, n = 8$	$m = 6, n = 17$	$m = 6, n = 26$	5·5 1·207
6·0 0·233	6·0 0·458	6·0 0·884	5·0 8·103
5·0 5·128	5·5 0·915	5·0 8·596	4·5 10·258
4·0 29·604	5·0 5·950	4·0 32·697	$m = 7, n = 7$
$m = 6, n = 9$	$m = 6, n = 18$	$m = 6, n = 27$	7·0 0·029
6·0 0·140	6·0 0·686	6·0 0·723	6·0 1·457
5·5 0·559	5·0 7·748	5·5 1·117	5·0 14·307
5·0 3·497	4·0 32·020	5·0 7·427	$m = 7, n = 8$
4·5 8·392	4·5 9·689	4·5 10·057	7·0 0·016
4·0 23·077	4·0 27·525	4·0 32·809	6·5 0·124
$m = 6, n = 10$	$m = 6, n = 19$	$m = 6, n = 28$	6·0 0·886
6·0 0·350	6·0 0·522	6·0 0·920	5·5 3·170
5·0 5·944	5·5 0·969	5·0 8·742	5·0 10·023
4·0 30·420	5·0 6·335	4·0 32·809	$m = 7, n = 9$
$m = 6, n = 11$	$m = 6, n = 20$	$m = 6, n = 29$	7·0 0·070
6·0 0·226	6·0 0·745	6·0 0·762	6·0 2·028
5·5 0·679	5·0 8·012	5·5 1·144	5·0 15·734
5·0 4·299	4·0 32·236	5·0 7·625	$m = 7, n = 10$
4·5 8·824	4·5 9·807	4·5 10·117	7·0 0·041
4·0 24·661	4·0 28·137	4·0 32·907	6·5 0·185
$m = 6, n = 12$	$m = 6, n = 21$	$m = 6, n = 30$	6·0 1·337
6·0 0·452	6·0 0·580	6·0 0·953	5·5 3·640
5·0 6·561	5·5 1·014	5·0 8·871	5·0 11·703
4·0 30·995	5·0 6·667	4·0 32·907	$m = 7, n = 11$
$m = 6, n = 13$	$m = 6, n = 22$	$m = 6, n = 31$	7·0 0·113
6·0 0·310	4·0 28·647	6·0 0·799	6·0 2·489
5·5 0·774	6·0 0·797	5·5 1·167	5·0 16·742
5·0 4·954	5·0 8·237	5·0 7·801	
4·5 9·133	4·0 32·415	4·5 10·170	
4·0 25·851			

$m = 7, n = 12$	$m = 7, n = 21$	$m = 7, n = 30$	$m = 8, n = 11$
7·0 0·071	7·0 0·290	7·0 0·309	8·0 0·012
6·5 0·238	6·0 3·841	6·5 0·489	7·5 0·060
6·0 1·739	5·0 19·227	6·0 3·735	7·0 0·488
5·5 3·989		5·5 5·233	6·5 1·488
5·0 12·991		5·0 17·966	6·0 5·489
$m = 7, n = 13$	$m = 7, n = 22$	$m = 7, n = 31$	$m = 8, n = 12$
7·0 0·155	7·0 0·220	7·0 0·399	8·0 0·036
6·0 2·864	6·5 0·412	6·0 4·484	7·0 0·988
5·0 17·492	6·0 3·106	5·0 20·240	6·0 8·490
	5·5 4·902		5·0 32·496
$m = 7, n = 14$	$m = 7, n = 23$	$m = 7, n = 32$	$m = 8, n = 13$
7·0 0·103	7·0 0·316	7·0 0·328	8·0 0·022
6·5 0·284	6·0 4·004	6·5 0·504	7·5 0·081
6·0 2·090	5·0 19·492	6·0 3·856	7·0 0·671
5·5 4·257		5·5 5·292	6·5 1·703
5·0 14·009		5·0 18·220	6·0 6·347
$m = 7, n = 15$	$m = 7, n = 24$	$m = 7, n = 33$	$m = 8, n = 14$
7·0 0·193	7·0 0·245	7·0 0·416	8·0 0·052
6·0 3·173	6·5 0·435	6·0 4·574	7·0 1·187
5·0 18·073	6·0 3·290	5·0 20·374	6·0 9·133
	5·5 5·003		5·0 32·972
$m = 7, n = 16$	$m = 7, n = 25$	$m = 7, n = 34$	$m = 8, n = 15$
7·0 0·135	7·0 0·340	7·0 0·345	8·0 0·034
6·5 0·323	6·0 4·147	6·5 0·517	7·5 0·101
6·0 2·396	5·0 19·719	6·0 3·965	7·0 0·841
5·5 4·469		5·5 5·345	6·5 1·878
5·0 14·834		5·0 18·447	6·0 7·060
$m = 7, n = 17$	$m = 7, n = 26$	$m = 8, n = 8$	$m = 8, n = 16$
7·0 0·229	7·0 0·268	8·0 0·008	8·0 0·067
6·0 3·432	6·5 0·455	7·0 0·505	7·0 1·360
5·0 18·535	6·0 3·454	6·0 6·597	6·0 9·651
	5·5 5·090	5·0 30·963	5·0 33·342
$m = 7, n = 18$	$m = 7, n = 27$	$m = 8, n = 9$	$m = 8, n = 17$
7·0 0·165	7·0 0·362	8·0 0·004	8·0 0·046
6·5 0·357	6·0 4·272	7·5 0·037	7·5 0·119
6·0 2·664	5·0 19·916	7·0 0·300	7·0 0·998
5·5 4·641		6·5 1·222	6·5 2·023
5·0 15·515		6·0 4·447	6·0 7·661
$m = 7, n = 19$	$m = 7, n = 28$	$m = 8, n = 10$	$m = 8, n = 18$
7·0 0·261	7·0 0·289	8·0 0·021	8·0 0·023
6·0 3·652	6·5 0·473	7·0 0·761	7·0 0·998
5·0 18·913	6·0 3·602	6·0 7·672	5·5 12·494
	5·5 5·166	5·0 31·859	
$m = 7, n = 20$	$m = 7, n = 29$		
7·0 0·193	7·0 0·381		
6·5 0·386	6·0 4·384		
6·0 2·899	5·0 20·088		
5·5 4·783			
5·0 16·087			

$m = 8, n = 18$	$m = 8, n = 26$	$m = 9, n = 9$	$m = 9, n = 16$
8.0 0.082	8.0 0.134	9.0 0.002	9.0 0.011
7.0 1.510	7.0 1.955	8.0 0.169	8.5 0.035
6.0 10.078	6.0 11.225	7.0 2.834	8.0 0.326
		6.0 17.347	7.5 0.791
$m = 8, n = 19$	$m = 8, n = 27$	$m = 9, n = 10$	$m = 9, n = 17$
8.0 0.058	8.0 0.103	9.0 0.001	9.0 0.023
7.5 0.135	7.5 0.186	8.5 0.011	8.0 0.558
7.0 1.140	7.0 1.591	8.0 0.099	7.0 4.842
6.5 2.145	6.5 2.485	7.5 0.449	6.0 20.549
6.0 8.174	6.0 9.636	7.0 1.852	
5.5 12.696	5.5 13.212	6.5 5.126	
		6.0 12.764	
$m = 8, n = 20$	$m = 8, n = 28$	$m = 9, n = 11$	$m = 9, n = 18$
8.0 0.097	8.0 0.145	9.0 0.006	9.0 0.015
7.0 1.643	7.0 2.038	8.0 0.274	8.5 0.043
6.0 10.435	6.0 11.424	7.0 3.489	8.0 0.400
		6.0 18.492	7.5 0.876
$m = 8, n = 21$	$m = 8, n = 29$	$m = 9, n = 12$	7.0 3.732
8.0 0.070	8.0 0.113	9.0 0.003	6.5 6.587
7.5 0.150	7.5 0.196	8.5 0.019	6.0 17.059
7.0 1.269	7.0 1.679	8.0 0.172	
6.5 2.249	6.5 2.545	7.5 0.580	
6.0 8.616	6.0 9.902	7.0 2.417	
5.5 12.860	5.5 13.297	6.5 5.632	
		6.0 14.206	
$m = 8, n = 22$	$m = 8, n = 30$	$m = 9, n = 13$	$m = 9, n = 20$
8.0 0.110	8.0 0.155	9.0 0.011	9.0 0.020
7.0 1.759	7.0 2.112	8.0 0.376	8.5 0.050
6.0 10.738	6.0 11.599	7.0 4.025	8.0 0.470
		6.0 19.350	7.5 0.950
$m = 8, n = 23$	$m = 8, n = 31$	$m = 9, n = 14$	7.0 4.068
8.0 0.082	8.0 0.123	9.0 0.007	6.5 6.797
7.5 0.163	7.5 0.205	8.5 0.027	6.0 17.711
7.0 1.387	7.0 1.761	8.0 0.249	
6.5 2.338	6.5 2.599	7.5 0.693	
6.0 9.000	6.0 10.140	7.0 2.914	
5.5 12.997		6.5 6.024	
		6.0 15.352	
$m = 8, n = 24$	$m = 8, n = 32$	$m = 9, n = 21$	$m = 9, n = 22$
8.0 0.122	8.0 0.164	9.0 0.035	9.0 0.025
7.0 1.863	7.0 2.180	8.0 0.710	8.5 0.057
6.0 10.999	6.0 11.756	7.0 5.432	8.0 0.536
		6.0 21.349	
$m = 8, n = 25$	$m = 8, n = 33$	$m = 9, n = 15$	
8.0 0.093	8.0 0.132	9.0 0.017	
7.5 0.175	7.5 0.213	8.0 0.471	
7.0 1.493	7.0 1.836	7.0 4.469	
6.5 2.416	6.5 2.647	6.0 20.016	
6.0 9.338	6.0 10.354		
5.5 13.113			

$m = 9, n = 23$	$m = 9, n = 30$	$8 \cdot 0$	$1 \cdot 011$	$m = 10, n = 20$
9.0 0.041	9.0 0.044	7.5	2.597	10.0 0.010
8.0 0.775	8.5 0.079	7.0	7.356	9.0 0.260
7.0 5.669	8.0 0.757	6.5	14.019	8.0 2.509
6.0 21.657	7.5 1.209			7.0 12.254
$m = 9, n = 24$	$m = 9, n = 31$	$m = 10, n = 14$		
9.0 0.030	7.0 5.275	10.0 0.003	$m = 10, n = 21$	
8.5 0.063	6.5 7.464	9.0 0.138	10.0 0.007	
8.0 0.597	6.0 19.870	8.0 1.804	9.5 0.018	
7.5 1.072		7.0 10.688	9.0 0.187	8.5 0.405
7.0 4.631	$m = 9, n = 32$	$m = 10, n = 15$		
6.5 7.123	8.0 0.983	10.0 0.002	8.0 1.928	
6.0 18.750	7.0 6.369	9.5 0.009	7.5 3.452	
	6.0 22.529	9.0 0.090	7.0 10.053	
$m = 9, n = 25$		$m = 10, n = 22$		
9.0 0.046	8.5 0.271	10.0 0.012		
8.0 0.834	8.0 1.271	9.0 0.296		
7.0 5.877	7.5 2.870	8.0 2.690		
6.0 21.922	7.0 8.200	7.0 12.621		
$m = 9, n = 26$	$m = 9, n = 33$	$m = 10, n = 16$	$m = 10, n = 23$	
9.0 0.034	7.0 5.450	10.0 0.005	10.0 0.009	
8.5 0.069	6.5 7.552	9.0 0.180	9.5 0.021	
8.0 0.654	6.0 20.164	8.0 2.070	9.0 0.219	
7.5 1.122		7.0 11.310	8.5 0.441	
7.0 4.868	$m = 10, n = 10$	$m = 10, n = 17$		
6.5 7.252	10.0 0.001	10.0 0.003	8.0 2.110	
6.0 19.171	9.0 0.055	9.5 0.012	7.5 3.593	
	8.0 1.151	9.0 0.122	7.0 10.514	
$m = 9, n = 27$	7.0 8.945	8.5 0.320	$m = 10, n = 24$	
9.0 0.052	6.0 32.814	8.0 1.510	10.0 0.015	
8.0 0.888		7.5 3.097	9.0 0.330	
7.0 6.060		7.0 8.914	8.0 2.851	
6.0 22.151	8.0 0.733	6.5 14.732	7.0 12.937	
$m = 9, n = 28$		$m = 10, n = 18$	$m = 10, n = 25$	
9.0 0.039	7.5 2.264	10.0 0.008	10.0 0.011	
8.5 0.074	7.0 6.347	9.0 0.221	9.5 0.024	
8.0 0.707	6.5 13.491	8.0 2.304	9.0 0.249	
7.5 1.168		7.0 11.823	8.5 0.474	
7.0 5.082	$m = 10, n = 12$	$m = 10, n = 19$	8.0 2.275	
6.5 7.365	10.0 0.002	10.0 0.005	7.5 3.716	
6.0 19.542	9.0 0.095	9.5 0.015	7.0 10.920	
	8.0 1.499	9.0 0.155	$m = 10, n = 26$	
$m = 9, n = 29$	7.0 9.919	8.5 0.365	10.0 0.017	
9.0 0.057	6.0 33.496	8.0 1.729	9.0 0.362	
8.0 0.938		7.5 3.288	8.0 2.995	
7.0 6.223	10.0 0.001	7.0 9.525	7.0 13.212	
6.0 22.352	9.5 0.006	6.5 14.983		
	9.0 0.059			
	8.5 0.217			

$m = 10, n = 27$	8.0 2.963	8.5 1.442	10.0 0.087
10.0 0.013	7.5 6.990	8.0 4.601	9.5 0.186
9.5 0.027	7.0 15.044	7.5 8.212	9.0 0.978
9.0 0.278		7.0 18.142	8.5 1.771
8.5 0.504			8.0 5.733
8.0 2.426	$m = 11, n = 13$	$m = 11, n = 19$	7.5 8.902
7.5 3.824	10.0 0.032	11.0 0.002	7.0 19.996
7.0 11.279	9.0 0.614	10.0 0.085	
	8.0 4.977	9.0 1.047	$m = 11, n = 25$
	7.0 20.682	8.0 6.407	11.0 0.005
$m = 10, n = 28$	$m = 11, n = 14$	7.0 22.486	10.0 0.136
10.0 0.020	10.5 0.002	$m = 11, n = 20$	9.0 1.375
9.0 0.391	10.0 0.020	11.0 0.002	8.0 7.318
8.0 3.125	9.5 0.079	10.5 0.005	7.0 23.526
7.0 13.453	9.0 0.404	$m = 11, n = 26$	
	8.5 1.137	10.0 0.058	11.0 0.004
$m = 10, n = 29$	8.0 3.581	9.5 0.147	10.5 0.009
10.0 0.015	7.5 7.490	9.0 0.768	10.0 0.101
9.5 0.029	7.0 16.285	8.5 1.566	9.5 0.203
9.0 0.305		8.0 5.024	9.0 1.073
8.5 0.531	$m = 11, n = 15$	7.5 8.482	8.5 1.856
8.0 2.564	11.0 0.001	7.0 18.855	8.0 6.033
7.5 3.919	10.0 0.049	$m = 11, n = 21$	7.5 9.070
7.0 11.599	9.0 0.771	11.0 0.003	7.0 20.460
$m = 10, n = 30$	8.0 5.535	10.0 0.103	$m = 11, n = 27$
10.0 0.022	7.0 21.415	9.0 1.167	11.0 0.006
9.0 0.418		8.0 6.753	10.0 0.152
8.0 3.242	$m = 11, n = 16$	7.0 22.890	9.0 1.465
7.0 13.667	11.0 0.001	$m = 11, n = 22$	8.0 7.551
	10.5 0.003	11.0 0.002	7.0 23.782
$m = 10, n = 31$	10.0 0.031	$m = 11, n = 23$	$m = 11, n = 28$
10.0 0.016	9.5 0.103	10.0 0.073	11.0 0.005
9.5 0.031	9.0 0.530	9.5 0.167	10.5 0.010
9.0 0.331	8.5 1.300	9.0 0.876	10.0 0.115
8.5 0.556	8.0 4.123	8.5 1.674	9.5 0.219
8.0 2.691	7.5 7.888	8.0 5.398	9.0 1.162
7.5 4.004	7.0 17.298	7.5 8.709	8.5 1.933
7.0 11.887		7.0 19.467	8.0 6.303
$m = 11, n = 11$	$m = 11, n = 17$	$m = 11, n = 24$	7.5 9.216
10.0 0.017	11.0 0.002	11.0 0.004	7.0 20.869
9.0 0.446	10.0 0.067	10.0 0.120	$m = 11, n = 29$
8.0 4.305	9.0 0.915	9.0 1.275	11.0 0.007
7.0 19.743	8.0 6.006	8.0 7.054	10.0 0.167
	7.0 22.004	7.0 23.232	9.0 1.548
$m = 11, n = 12$	$m = 11, n = 18$	$m = 11, n = 25$	8.0 7.759
10.5 0.001	11.0 0.001	11.0 0.003	7.0 24.006
10.0 0.010	10.5 0.004	10.5 0.008	
9.5 0.055	10.0 0.044		
9.0 0.278	9.5 0.125		
8.5 0.950	9.0 0.652		

$m = 11, n = 30$	$m = 12, n = 17$	$m = 12, n = 23$	$m = 12, n = 29$
11.0 0.005	11.5 0.001	12.0 0.001	12.0 0.002
10.5 0.011	11.0 0.011	11.5 0.002	11.5 0.004
10.0 0.128	10.5 0.038	11.0 0.027	11.0 0.046
9.5 0.234	10.0 0.213	10.5 0.067	10.5 0.093
9.0 1.244	9.5 0.564	10.0 0.384	10.0 0.537
8.5 2.002	9.0 1.968	9.5 0.780	9.5 0.941
8.0 6.547	8.5 4.075	9.0 2.761	9.0 3.366
7.5 9.344	8.0 9.867	8.5 4.742	8.5 5.184
7.0 21.232	7.5 16.487	8.0 11.676	8.0 12.911
$m = 12, n = 12$	$m = 12, n = 18$	$m = 12, n = 24$	$m = 13, n = 13$
11.0 0.005	12.0 0.001	12.0 0.001	12.0 0.002
10.0 0.166	11.0 0.024	11.0 0.047	11.0 0.060
9.0 1.956	10.0 0.389	10.0 0.582	10.0 0.847
8.0 11.017	9.0 3.022	9.0 3.752	9.0 5.762
	8.0 13.177	8.0 14.449	8.0 21.688
$m = 12, n = 13$	$m = 12, n = 19$	$m = 12, n = 25$	$m = 13, n = 14$
11.0 0.003	11.5 0.001	12.0 0.001	12.0 0.001
10.5 0.018	11.0 0.016	11.5 0.003	11.5 0.006
10.0 0.102	10.5 0.048	11.0 0.034	11.0 0.036
9.5 0.381	10.0 0.271	10.5 0.076	10.5 0.148
9.0 1.312	9.5 0.644	10.0 0.438	10.0 0.555
8.5 3.406	9.0 2.257	9.5 0.839	9.5 1.575
8.0 8.118	8.5 4.332	9.0 2.981	9.0 4.123
7.5 15.657	8.0 10.556	8.5 4.908	8.5 8.711
		8.0 12.136	8.0 16.969
$m = 12, n = 14$	$m = 12, n = 20$	$m = 12, n = 26$	$m = 13, n = 15$
11.0 0.011	12.0 0.001	12.0 0.002	12.0 0.003
10.0 0.242	11.0 0.032	11.0 0.055	11.0 0.092
9.0 2.359	10.0 0.457	10.0 0.638	10.0 1.065
8.0 11.887	9.0 3.295	9.0 3.945	9.0 6.417
	8.0 13.668	8.0 14.765	8.0 22.474
$m = 12, n = 15$	$m = 12, n = 21$	$m = 12, n = 27$	$m = 13, n = 16$
11.5 0.001	12.0 0.001	12.0 0.001	12.0 0.002
11.0 0.006	11.5 0.002	11.5 0.003	11.5 0.010
10.5 0.028	11.0 0.021	11.0 0.040	11.0 0.058
10.0 0.156	10.5 0.058	10.5 0.085	10.5 0.193
9.5 0.477	10.0 0.328	10.0 0.489	10.0 0.729
9.0 1.653	9.5 0.715	9.5 0.893	9.5 1.803
8.5 3.771	9.0 2.521	9.0 3.182	9.0 4.756
8.0 9.064	8.5 4.552	8.5 5.054	8.5 9.186
7.5 16.122	8.0 11.154	8.0 12.545	8.0 18.045
$m = 12, n = 16$	$m = 12, n = 22$	$m = 12, n = 28$	$m = 13, n = 17$
11.0 0.017	12.0 0.001	12.0 0.002	12.0 0.006
10.0 0.316	11.0 0.039	11.0 0.062	11.0 0.125
9.0 2.712	10.0 0.522	10.0 0.691	10.0 1.266
8.0 12.593	9.0 3.536	9.0 4.118	9.0 6.971
	8.0 14.088	8.0 15.042	8.0 23.107

$m = 13, n = 18$	9.0	8.209	$m = 14, n = 14$	$m = 14, n = 20$			
12.0	0.004	8.0	24.434	12.0	0.021	13.0	0.003
11.5	0.014			11.0	0.351	12.0	0.063
11.0	0.083	$m = 13, n = 24$		10.0	2.849	11.0	0.668
10.5	0.236	12.5	0.001	9.0	12.840	10.0	3.993
10.0	0.898	12.0	0.010			9.0	14.800
9.5	2.002	11.5	0.026	$m = 14, n = 15$			
9.0	5.315	11.0	0.163	12.5	0.002	$m = 14, n = 21$	
8.5	9.574	10.5	0.351	12.0	0.013	13.0	0.002
8.0	18.943	10.0	1.353	11.5	0.055	12.5	0.006
		9.5	2.467	11.0	0.226	12.0	0.043
$m = 13, n = 19$		9.0	6.643	10.5	0.696	11.5	0.115
12.0	0.009	8.5	10.402	10.0	1.988	11.0	0.478
11.0	0.159			9.5	4.572	10.5	1.048
10.0	1.450	$m = 13, n = 25$		9.0	9.739	10.0	3.043
9.0	7.444	13.0	0.001	8.5	17.491	9.5	5.537
8.0	23.627	12.0	0.018			9.0	12.021
		11.0	0.257	$m = 14, n = 16$			
$m = 13, n = 20$		10.0	1.910	13.0	0.001	$m = 14, n = 22$	
12.0	0.005	9.0	8.522	12.0	0.034	13.0	0.004
11.5	0.018	8.0	24.753	11.0	0.461	12.0	0.079
11.0	0.109			10.0	3.280	11.0	0.763
10.5	0.277	$m = 13, n = 26$		9.0	13.615	10.0	4.290
10.0	1.059	12.5	0.001			9.0	15.263
9.5	2.177	12.0	0.013	$m = 14, n = 17$			
9.0	5.810	11.5	0.030	13.0	0.001	$m = 14, n = 23$	
8.5	9.896	11.0	0.190	12.5	0.003	13.0	0.003
8.0	19.704	10.5	0.384	12.0	0.021	12.5	0.008
		10.0	1.486	11.5	0.075	12.0	0.055
$m = 13, n = 21$		9.5	2.588	11.0	0.309	11.5	0.134
12.0	0.012	9.0	6.996	10.5	0.825	11.0	0.560
11.0	0.193	8.5	10.603	10.0	2.371	10.5	1.144
10.0	1.618			9.5	4.947	10.0	3.337
9.0	7.853	$m = 13, n = 27$		9.0	10.615	9.5	5.773
8.0	24.063	13.0	0.001			9.0	12.594
		12.0	0.022	$m = 14, n = 18$			
$m = 13, n = 22$		11.0	0.287	13.0	0.002	$m = 14, n = 24$	
12.5	0.001	10.0	2.037	12.0	0.048	13.0	0.005
12.0	0.008	9.0	8.800	11.0	0.567	12.0	0.095
11.5	0.022	8.0	25.030	10.0	3.659	11.0	0.852
11.0	0.136			9.0	14.258	10.0	4.555
10.5	0.315	$m = 13, n = 28$				9.0	15.664
10.0	1.211	12.5	0.001	$m = 14, n = 19$			
9.5	2.331	12.0	0.015	13.0	0.001	$m = 14, n = 25$	
9.0	6.250	11.5	0.035	12.5	0.005	13.0	0.004
8.5	10.169	11.0	0.216	12.0	0.031	12.5	0.010
		10.5	0.415	11.5	0.095	12.0	0.067
$m = 13, n = 23$		10.0	1.610	11.0	0.394	11.5	0.153
12.0	0.015	9.5	2.697	10.5	0.942	11.0	0.638
11.0	0.226	9.0	7.315	10.0	2.722	10.5	1.232
10.0	1.771	8.5	10.779	9.5	5.265	10.0	3.605
				9.0	11.367	9.5	5.979
						9.0	13.100

$m = 14, n = 26$	10.0 5.907	$m = 15, n = 24$	$m = 16, n = 18$
13.0 0.007	9.5 10.725	14.0 0.001	14.0 0.004
12.0 0.110		13.5 0.003	13.0 0.078
11.0 0.935		13.0 0.021	12.0 0.746
10.0 4.792		12.5 0.056	11.0 4.221
9.0 16.013		12.0 0.250	10.0 15.141
$m = 14, n = 27$		11.5 0.541	
13.0 0.005		11.0 1.707	$m = 16, n = 19$
12.5 0.012		10.5 3.131	14.0 0.003
12.0 0.080		10.0 7.403	13.5 0.011
11.5 0.170		9.5 11.676	13.0 0.050
11.0 0.714		$m = 15, n = 25$	12.5 0.154
10.5 1.311		14.0 0.002	12.0 0.517
10.0 3.851		13.0 0.012	11.5 1.242
9.5 6.161		12.5 0.038	11.0 3.129
9.0 13.550		12.0 0.167	10.5 6.093
$m = 15, n = 15$		11.5 0.426	10.0 12.021
13.0 0.007		11.0 1.333	
12.0 0.141		10.5 2.758	$m = 16, n = 20$
11.0 1.342		10.0 6.463	14.0 0.007
10.0 7.156		9.5 11.095	13.0 0.102
9.0 23.305		$m = 15, n = 21$	12.0 0.880
$m = 15, n = 16$		14.0 0.001	11.0 4.611
13.5 0.001		13.0 0.025	10.0 15.726
13.0 0.004		12.0 0.297	$m = 16, n = 21$
12.5 0.020		11.0 2.046	14.5 0.001
12.0 0.089		10.0 8.779	14.0 0.004
11.5 0.296		9.0 24.990	13.5 0.014
11.0 0.916		$m = 15, n = 22$	13.0 0.069
10.5 2.280		14.0 0.001	12.5 0.186
10.0 5.280		13.5 0.002	12.0 0.627
9.5 10.281		13.0 0.016	11.5 1.384
$m = 15, n = 17$		12.5 0.047	11.0 3.501
13.0 0.012		12.0 0.208	10.5 6.413
12.0 0.192		11.5 0.486	10.0 12.722
11.0 1.598		11.0 1.526	$m = 16, n = 22$
10.0 7.781		10.5 2.956	14.0 0.009
9.0 23.974		10.0 6.959	13.0 0.127
$m = 15, n = 18$		9.5 11.408	12.0 1.006
13.5 0.001		$m = 15, n = 23$	11.0 4.957
13.0 0.008		14.0 0.001	10.0 16.227
12.5 0.029		13.0 0.031	
12.0 0.127		12.0 0.347	
11.5 0.363		11.0 2.241	
11.0 1.129		10.0 9.184	
10.5 2.534		9.0 25.384	
		13.0 0.034	
		12.5 0.121	
		12.0 0.405	
		11.5 1.087	
		11.0 2.722	
		10.5 5.720	
		10.0 11.216	

$m = 16, n = 23$	$m = 17, n = 19$	$m = 17, n = 24$	$m = 18, n = 22$
14.5 0.001	15.0 0.001	15.0 0.002	16.0 0.001
14.0 0.006	14.0 0.031	14.5 0.007	15.0 0.016
13.5 0.018	13.0 0.335	14.0 0.036	14.0 0.182
13.0 0.088	12.0 2.186	13.5 0.095	13.0 1.242
12.5 0.218	11.0 9.057	13.0 0.342	12.0 5.548
12.0 0.735	10.0 25.254	12.5 0.745	11.0 17.032
11.5 1.512		12.0 2.033	
11.0 3.843	$m = 17, n = 20$	11.5 3.751	$m = 18, n = 23$
10.5 6.691	15.0 0.001	11.0 8.046	16.0 0.001
10.0 13.338	14.5 0.004	10.5 12.770	15.5 0.002
	14.0 0.020		15.0 0.011
$m = 16, n = 24$	13.5 0.063	$m = 18, n = 18$	14.5 0.033
15.0 0.001	13.0 0.228	15.0 0.008	14.0 0.125
14.0 0.012	12.5 0.585	14.0 0.111	13.5 0.311
13.0 0.153	12.0 1.585	13.0 0.920	13.0 0.906
12.0 1.124	11.5 3.300	12.0 4.717	12.5 1.872
11.0 5.267	11.0 7.014	11.0 15.877	12.0 4.288
10.0 16.661	10.5 12.121		11.5 7.509
		$m = 18, n = 19$	11.0 13.951
$m = 16, n = 25$	$m = 17, n = 21$	15.5 0.001	
14.5 0.001	15.0 0.002	15.0 0.005	$m = 19, n = 19$
14.0 0.008	14.0 0.042	14.5 0.019	16.0 0.003
13.5 0.023	13.0 0.407	14.0 0.072	15.0 0.045
13.0 0.108	12.0 2.443	13.5 0.220	14.0 0.428
12.5 0.248	11.0 9.568	13.0 0.635	13.0 2.511
12.0 0.840	10.0 25.741	12.5 1.535	12.0 9.694
11.5 1.629		12.0 3.486	11.0 25.856
11.0 4.155	$m = 17, n = 22$	11.5 6.828	
10.5 6.934	15.0 0.001	11.0 12.559	$m = 19, n = 20$
10.0 13.882	14.5 0.005		16.0 0.002
	14.0 0.027	$m = 18, n = 20$	15.5 0.007
$m = 17, n = 17$	13.5 0.079	16.0 0.001	15.0 0.029
15.0 0.001	13.0 0.285	15.0 0.012	14.5 0.094
14.0 0.021	12.5 0.668	14.0 0.146	14.0 0.290
13.0 0.263	12.0 1.816	13.0 1.085	13.5 0.748
12.0 1.904	11.5 3.539	12.0 5.157	13.0 1.816
11.0 8.468	11.0 7.558	11.0 16.499	12.5 3.800
10.0 24.675	10.5 12.471		12.0 7.484
		$m = 18, n = 21$	11.5 13.009
$m = 17, n = 18$	$m = 17, n = 23$	15.5 0.001	
14.5 0.003	15.0 0.003	15.0 0.007	$m = 19, n = 21$
14.0 0.013	14.0 0.053	14.5 0.025	16.0 0.004
13.5 0.048	13.0 0.477	14.0 0.098	15.0 0.062
13.0 0.173	12.0 2.678	13.5 0.266	14.0 0.519
12.5 0.498	11.0 10.014	13.0 0.772	13.0 2.808
12.0 1.342		12.5 1.712	12.0 10.246
11.5 3.029		12.0 3.904	
11.0 6.405		11.5 7.193	
10.5 11.709		11.0 13.300	

$m = 19, n = 22$	$m = 20, n = 20$	$m = 20, n = 21$	
16·0 0·003	17·0 0·001	17·0 0·001	
15·5 0·010	16·0 0·018	16·5 0·003	
15·0 0·041	15·0 0·192	16·0 0·011	
14·5 0·117	14·0 1·282	15·5 0·039	
14·0 0·363	13·0 5·642	15·0 0·129	
13·5 0·854	12·0 17·153	14·5 0·352	
13·0 2·082		14·0 0·910	
12·5 4·078		13·5 2·027	
12·0 8·069		13·0 4·259	
11·5 13·391		12·5 7·888	
		12·0 13·784	

Souhrn

TABULKY PRO DVOUVÝBĚROVÝ MEDIÁNOVÝ TEST

ZBYNĚK ŠIDÁK

Pro neparametrický mediánový test pro dva výběry, jejichž rozsahy m, n splňují $3 \leq m \leq n, m + n \leq 41$, se tabelují pravděpodobnosti horních konců rozložení až do bodu, kde je po prvé překročeno 10%.

Author's address: RNDr. Zbyněk Šidák, DrSc., Matematický ústav ČSAV, Žitná 25, 115 67 Praha 1.