A.13 Lower Tail Probabilities for the Wilcoxon Rank Sum Statistic

Tabled are the quantities $p_- = P(V \leq v^*)$, computed under the assumption that H_0 is true. The upper tail probabilities $p^+ = P(V \geq v^*)$ can be obtained from these by using the relation

$$P(V \geq v^*) = P(V \leq (n_1 + n_2 + 1)(n_1 + n_2)/2 - v^*).$$

n_1	n_2	v^*	p_-	n_1	n_2	v^*	p_-
2	3	6	0.100	5	5	19	0.048
	4	10	0.067			18	0.028
	5	10	0.048			16	0.008
	6	21	0.036			16	0.008
	7	29	0.056			16	0.008
		28	0.028			15	0.004
	8	37	0.044		6	26	0.041
		36	0.022			25	0.026
3	3	6	0.050			23	0.009
	4	11	0.057			22	0.004
		10	0.029		7	35	0.053
	5	16	0.036			33	0.024
		15	0.018			31	0.009
	6	23	0.048			30	0.005
		22	0.024		8	44	0.047
		21	0.012			42	0.023
	7	31	0.058			40	0.009
		29	0.017			39	0.005
		28	0.008	6	6	28	0.047
	8	39	0.042			26	0.021
		38	0.024			24	0.008
		37	0.012			23	0.004
		36	0.006		7	37	0.051
4	4	12	0.057			35	0.026
		11	0.029			33	0.011
		10	0.014			31	0.004
	5	18	0.056		8	47	0.054
		17	0.032			44	0.021
		16	0.016			42	0.010
		15	0.008			40	0.004
	6	25	0.057	7	7	39	0.049
		23	0.019			37	0.027
		22	0.010			34	0.009
		21	0.005			33	0.006
	7	33	0.055		8	49	0.047
		31	0.021			47	0.027
		30	0.012			44	0.010
		29	0.006			42	0.005
	8	42	0.055	8	8	52	0.052
		40	0.024			49	0.025
		38	0.008			46	0.010
		37	0.004			44	0.005