

**TABLE G**

**Critical values of  $r$  in the runs test\***

Given in the tables are various critical values of  $r$  for values of  $m$  and  $n$  less than or equal to 20. For the one-sample runs test, any observed value of  $r$  which is less than or equal to the smaller value, or is greater than or equal to the larger value in a pair is significant at the  $\alpha = .05$  level.

$m \backslash n$	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
2											2	2	2	2	2	2	2	2	2
3					2	2	2	2	2	2	2	2	2	3	3	3	3	3	3
4			2	2	2	3	3	3	3	3	3	3	3	3	4	4	4	4	4
5			9	9	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
6		2	2	3	3	3	3	4	4	4	4	4	4	4	4	4	5	5	5
7		-	9	10	10	11	11	-	-	-	-	-	-	-	-	-	-	-	-
8	2	2	3	3	3	3	4	4	4	4	4	5	5	5	5	5	5	6	6
9	-	-	11	12	13	13	14	14	14	14	14	15	15	15	15	16	16	16	16
10	2	2	3	3	3	4	4	4	5	5	5	5	5	6	6	6	6	6	6
11	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
12	2	3	3	4	4	4	5	5	5	6	6	6	6	7	7	7	7	8	8
13	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
14	2	3	3	4	4	4	5	5	5	6	6	6	6	7	7	7	8	8	8
15	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
16	2	3	3	4	4	4	5	5	5	6	6	6	6	7	7	7	8	8	8
17	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
18	2	3	3	4	4	4	5	5	5	6	6	6	6	7	7	7	8	8	8
19	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
20	2	3	3	4	4	4	5	5	5	6	6	6	6	7	7	7	8	8	8
	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

\* Adapted from Swed, and Eisenhart, C. (1943). Tables for testing randomness of grouping in a sequence of alternatives. *Annals of Mathematical Statistics*, 14, 83-86, with the kind permission of the authors and publisher.