


Algorithmics	Student information	Date	Number of session
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Activity 1. NullPathTimes

The complexity of the nullPath algorithm is $O(n!)$ as the number of nodes in each step is reduced by one, because we cannot use nodes more than once.

n	time 1	time 2	time 3	time 4	time 5	time 6	time 7	time 8	time 9
20	27	51	16	10	12	16	12	13	5
25	5	54	OoT	316	73	75	447	74	7
30	716	818		OoT	71	OoT	OoT	453	655
35	OoT	OoT			OoT			OoT	OoT

The times measured are inconsistent, this is due to the randomly generated matrix. The time for the worst case scenarios is much longer than the best case.