Activity 1. Times for the backtracking solution

|  |  |
| --- | --- |
| Number of nodes | Time (milliseconds) |
| 20 | 0 |
| 25 | 2 |
| 30 | 1 |
| 35 | 160 |
| 40 | 789 |
| 45 | OoT |
| 50 |  |

The time complexity of the algorithm is O(n^n) where n is the number of nodes. The number of different possibilities at each step is the number of nodes and the number of steps is also the number of nodes.