

| | BFS-T | BFS-G | DFS-T | DFS-G | IDS-T | IDS-G |
|--------------------|-------|--------|--------|-------|--------|--------|
| #number of actions | 5 | 5 | 5 | 5 | 5 | 5 |
| time(sec) | 0.136 | 0.0175 | 0.0001 | 8.702 | 0.0182 | 0.0107 |
| memory(nodes) | 44877 | 1789 | 29 | 19 | 29 | 19 |

- Overall, which algorithm performed the best for this problem?
 - Compared to the rest, the best algorithm is IDS because it uses less memory
- Do you notice a difference between the tree-search and graph-search variants of these algorithms? Why do you think that is?
 - Yes, the graph search algorithms use less memory nodes, because tree search visits nodes multiple times, and graph search won't be visited again