Question 1

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| --- | --- | --- |
| Search Strategy | Advantage | Disadvantage |
| Depth-first Search | Requires relatively little memory space | Will go into an infinite loop if the search space is cyclical |
| Depth-first search with iterative deepening | Requires relatively little memory space | Needs to recompute many paths when depth limit is increased |
| Breadth-first search |  |  |
| A\* |  |  |
| A\* with iterative deepening |  |  |
|  |  |  |
|  |  |  |
|  |  |  |

Question 2

Question 3.1

Question 3.2

Question 4