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Your report needs to explain at least the following:

- Which heuristics did you use for the A* algorithm?
    - We used the heuristic of
- Test your program with a couple of different problems. Increase the size of the problem to test the limits of your program. Make a table comparing **how many nodes are searched** to find the answer for each problem. For this table, you should compare a number of different problems (at least 3) to avoid a statistical bias. Which of the three algorithms (UCS, A *with consistent and and A* with an inconsistent heuristic) searches the least nodes and which one take the most?
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- Why does this happen?
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- Which algorithms are optimal? Why?
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- In your opinion, what are the benefits of simpler algorithms versus more complex ones?
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