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?
* Why does this happen?
* Which algorithms are optimal? Why?
* In your opinion, what are the benefits of simpler algorithms versus more complex ones?