

CSCI 373 Project 1: Traffic Jam

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Abstract

We describe the 1 paragraph overview of the problem, approach, and experiment results.

1 Introduction

What is the high-level problem at hand? Why is it worth while developing an AI agent for this task? (This isnt such a good question for a toy problem, but itll be a good practice for your final project.)

2 Formulation

How did you represent the real-world problem as a search problem (what are valid states and actions)?

3 Approaches

Which algorithms (and heuristics) did use to solve the search problem? Describe at least 2 distinct approaches and justify your decisions. Your approaches should not depend on the specifics of the 3 initial states provided to you.

4 Experiments & Analysis

Compare the performances of your approaches with respect to the number of times the goal-test function was called. Include a table of performance results for each approach and initial state combination. Reason about the similarities and differences observed.

5 Conclusion

Summarize the project (major findings, weaknesses, etc.) and describe an extension of the project that youd like to try if you had more time.

A Solutions