

Bidirectional Search That Is Guaranteed to Meet in the Middle

Efficiency Report:

Task completed:

- Literature Review
- Implementation of Bidirectional search with and without heuristics
- Creating scripts to run default measures
- Creating scripts to run custom measures
- Testing Bidirectional search algorithm vs other implemented search algorithms for default measures
- Testing Bidirectional search algorithm vs other implemented search algorithms for custom measures
- Generating visuals of nodes expanded and path costs
- Result analysis
- Compilation of the results
- Report

Task completion summary:

- Literature Review done by Vishal, Aman, Appari and Sandeep
- Implementation of bidirectional search with and without heuristics done by Appari and Sandeep (the one that is included in this project). Aman and Vishal also implemented it but the code wasn't working well. Final code of Appari and Sandeep was taken further in the project.
- Creating scripts to run default measures and custom measures done by Aman and Vishal.
- Testing Bidirectional search algorithm vs other implemented algorithms for default measures done by Aman and Vishal. Appari and Sandeep explained the theoretical part. Aman and Vishal also connected with the TA Akkamahadevi Hanni to understand the T-testing.
- Generating visuals of nodes expanded and path costs done by Aman and Vishal.
- Result analysis done by Aman and Vishal.
- Compilation of results done by Aman and Vishal.
- Report done by Aman, Vishal, Appari and Sandeep.

Percentage of Work contribution for the project: All team members contributed equally to the project (25% each).

All modifications in code, testing and result analysis were done by everyone during the audit.
By



Vishal Jaimin Vakil



Aman Peshin.



Sandeep Kallepalli



Appari Lalith