1 Group Declaration

Group name: NotHard
Members: Mads Filbert s152816, Mathias Gammelmark s134787, Christian Hansen s146498, Martin Haubro s133595

2 Report

Table 1: Writers of the sections

Section	Writer(s)
Abstract	s134787
Introduction	s146498
Background - Blackboard	s146498
Background - Planning	s146498
Background - Goal scheduling	s146498
Background - Conflict	s146498
Related work	s146498
Methods - Algorithm	s133595
Methods - Tasks	s146498
Methods - All pairs shortest path	s133595
Methods - Static boxes	s134787
Methods - Splitting regions	s134787
Methods - Predecessors	s133595
Methods - Agent	s133595
Methods - Conflicts	s133595
Methods - Search	s152816
Methods - Centralplanner	s152816
Experiments - Comparing search strategies	s146498
Experiments - Comparing heuristics	s146498
Experiments - Levels	s146498
Experiments - SAbAnAna	s152816
Experiments - Scheduling	s146498
Discussion	s146498, s133595
Future work - Path finding	s133595
Future work - Finessing multi-agent communication	s133595
Future work - Ranking assignments	s133595
Future work - Local multibody planning	s152816, s133595
Future work - Subgoals	s152816, s133595
Appendix	s152816, s146498

Other than the details specified in table 1 everyone has read and helped improving each section of the report.

3 Programming

Table 2: Developers of functionality

Functionality	Main Developer(s)	Co-developer(s)
Initializer	s134787	
Predecessor analysis	s133595, s146498	s152816
Region splitting	s134787	
Task Assignment	s152816, s146498, s133595	
Local multibody planning(attempt)	s152816	
Centralplanner	s133595	s152816, s146498
A*	s134787	
Heuristic	s152816, s146498	s134787, s133595
Conflicthandling	s133595	
Planmerging in Mastersearcher	s133595	s146498
Agent Planning, Requesting space	s133595	
Framework	s133595	
Benchmarking tool	s146498	

Note: In the framework, there has been inspiration from the framework from the warmup exercise. However, the only things similar is the Command-structure as well as the way getExpandedNodes iterates over commands.

4 Literature search

Table 3: People who searched for litterature

Article	Finder
Pallottino, L. and Scordio, V. and Bicchi, A.	s146498
Kai, H. and Zhonghua, Z. and Zheng, Q. and Bing, L.	s146498
Thorup, M. and Zwick, U.	s133595
Bowling, M. and Jensen, R. and Veloso, M.	s146498
Demaret, J. and Lishout, F. and Gribomont, P.	s146498

5 Ideas

The ideas where primarily discussed in plenum and specific ideas where developed by the same who also implemented the functionalities.