

Due Date: Thursday, January 13<sup>th</sup> at 11:59 PM

# Homework 1 (Key)

CS 4649/7649 Robot Intelligence: Planning  
Instructor: Matthew Gombolay

Overall:

Infraction	Assessment
Late	-10 pts / day (ceiling, i.e., 1 second = 1 day)
No Name	-50 pts

Problem 1 (Total Points = 60):

Answer:

	Time (s)	# Paths Popped from Queue	Max Queue Size	Returned Path's Length/Cost
DFS	> 0			
BFS	> 0			
IDS	> 0			

Grading Scheme (20 points for each type of search):

Problem (For each file)	Assessment
Code does not compile	-20 pts
Answers not reported in a table	-5 pts
Each incorrect table element for [BFS/DFS/IDS]	-2.5 pts

Notes:

- Code compilation – If code does not compile, no need to check answers
- “Time (s)” – As long as students put in a plausible number and their code runs, that’s fine.