

CS440 Report

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October 3, 2019

Part 1

	1	2	3	4	5
A					
B					
C					
D					
E	A				T

a) Given the illustration above, we want to explain why the first move of the agent A is to the east rather than the north. Grey represents what agent cannot see and the white represents what agent can. According to the question, T is the goal state. So we calculate the Manhattan distance from A to T, which is 3 in the current situation, as h