

CMPUT 355 Quiz 2 Marking Rubric Winter 2025

Question 1 (3 marks)

For both part 1 & 2:

- +0.5 marks for each correct taxicab score
- +0.5 marks for correct number of inversions
- +0.5 marks for correct solvable (yes/no)

Question 2 (3 marks)

+1 mark for correct position

+2 marks for explanation that talks about relabelling, or any other language related (e.g., swapping)

OR

+1 mark for explanation that does not talk about relabelling, but talks about how they know that the hardest position is 21 moves away, because there are no nodes at level 22

In the case of an incorrect position, 1 mark will be given for an explanation mentioning relabeling.

Question 3 (3 marks)

- +0.5 marks for each correct answer for nodes C and E
- 1 mark for not stopping at the correct point (filling out nodes other than C and E)

Question 4 (3 marks)

- +0.5 marks for each correct answer