

Machine Intelligence (WM275)

Assessment 1 - Coursework (40%)

Feedback for 1921983

Mark: 80%

Grade: 1

Feedback on your submission

Student: 1921983 Overall report structure and formatting: Report is formatted as suggested, has table of contents, abstract; it states the number of words as requested, although it's at the end of the report. Formatting could be improved by proper use of page breaks, for instance start table of contents/abstract on a new page. Written Report (60%): Answer to Q 1.1 shows good evidence of sufficient research into the topic. It shows some critical reflection on the literature relating to the topic. Includes acceptable references to research and to related sources.

The summary is well written and rounded. For Q1.3 justifications 1(iv), 2(i)(iv) are vague and mostly incorrect. For (2) The minimising player is playing to an 'unknown and possibly suboptimal policy' so they may not actually select the 'lowest' option, meaning there may be values higher than the minimax value for the maximising player to select. If the minimising player was playing optimally, they will select the lowest option in each case and the maximising will then select the highest of these values - which equates to the minimax value. Therefore, the outcome will always be $v(s)$ if both players are playing optimally. For Q1.2, scope and characterisations are clear. However some observations are as follows: the actions of the rover /submarine on Titan in the present state do affect the where it will be in the future isn't it? Also, bidding by default is a multiagent system as you have defined in the environment and lifting the placard is an action whereas the arm that lifts the placard is the actuator. Code Part (40%): The code provides result. The provided results are correct. The code throws no errors when run. Rules of the puzzle are encoded correctly into logic statements. Answers to Puzzle 1 are correct. Answers to Puzzle 2 are correct. Answers to Puzzle 3 are correct. Answers to Puzzle 4 are correct, but the logic is not correctly translated or the comments are not clear. Lines 70,71 are not exact translations, we need to implement an exclusive or logic. Code is clearly commented throughout and shows critical understanding of the code.