

Minimax with alpha-beta pruning (fill out the values at each step, any updated values for α , β or v and determine if pruning takes place)

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[illegible]

2. Suppose a game ending in 0 is a draw, anything above 0 is a win for Mork and anything below 0 is a win

for Mindy, can Mork win this game if both play optimally? Provide the steps taken from A that would lead to the optimal game play and what the final outcome is.

Answer:

Final outcome is 1 which is above 0, and it means that Mork wins this game.

The optimal path from A is: A - C - G - M - V

Therefore, if both players play optimally, Mork will choose moves leading to node V, securing a win.

Yes, all those nodes have final value

5.2/6

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