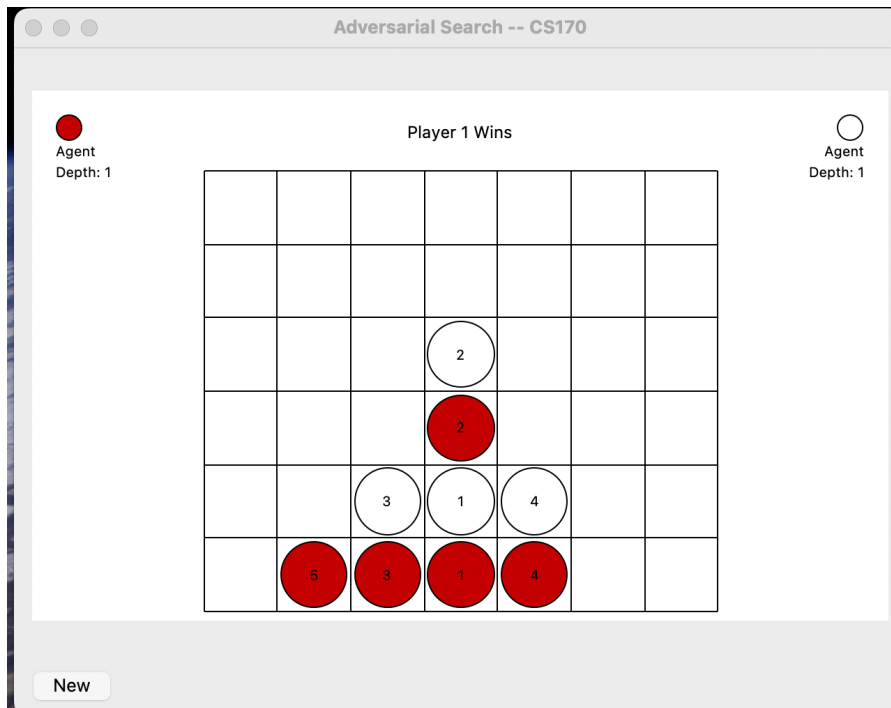
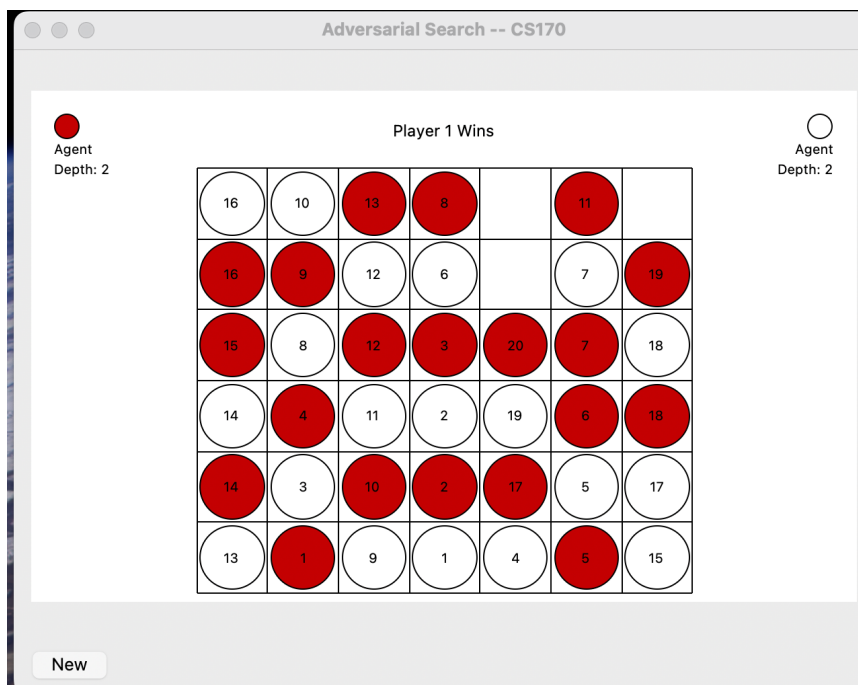


Minimax

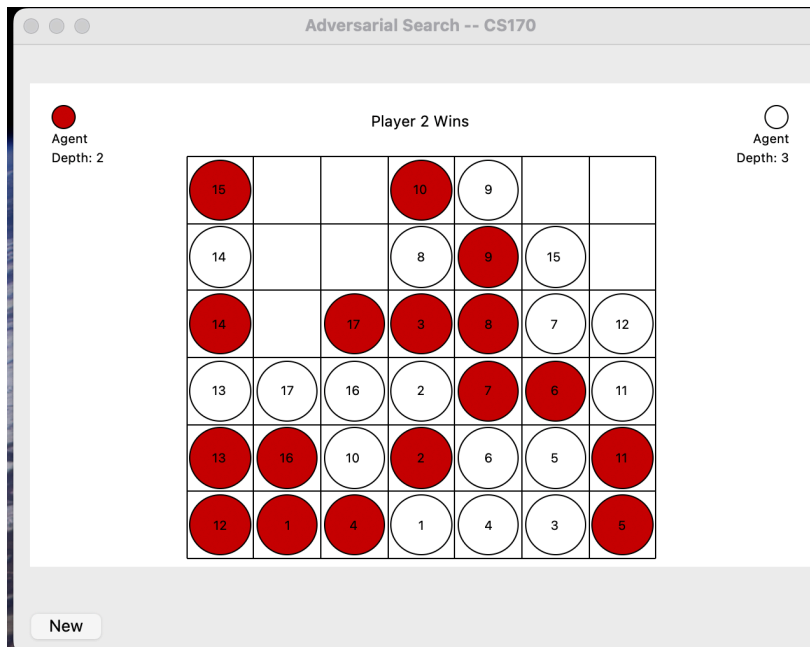
Depth 1 v1



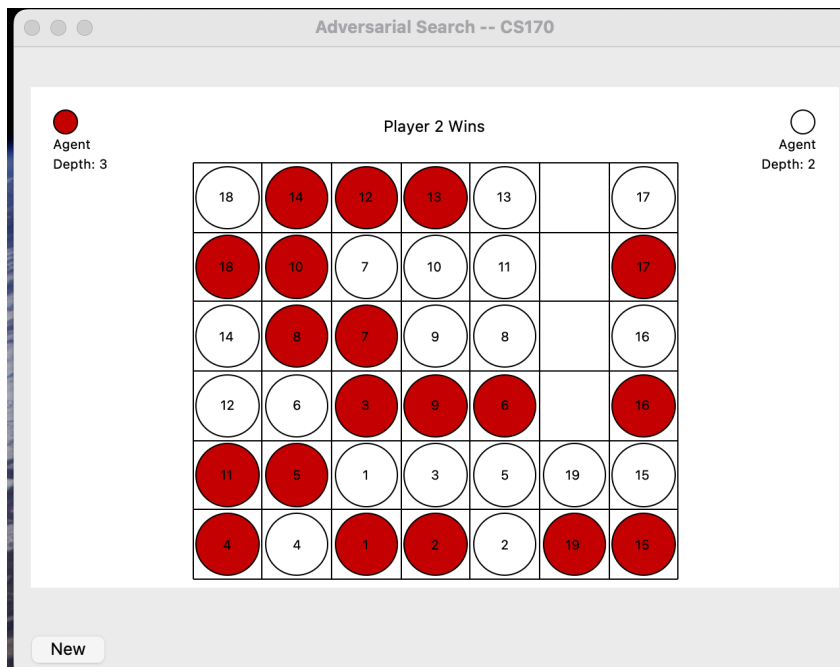
Depth 2 v 2:



Depth 2 v 3 :

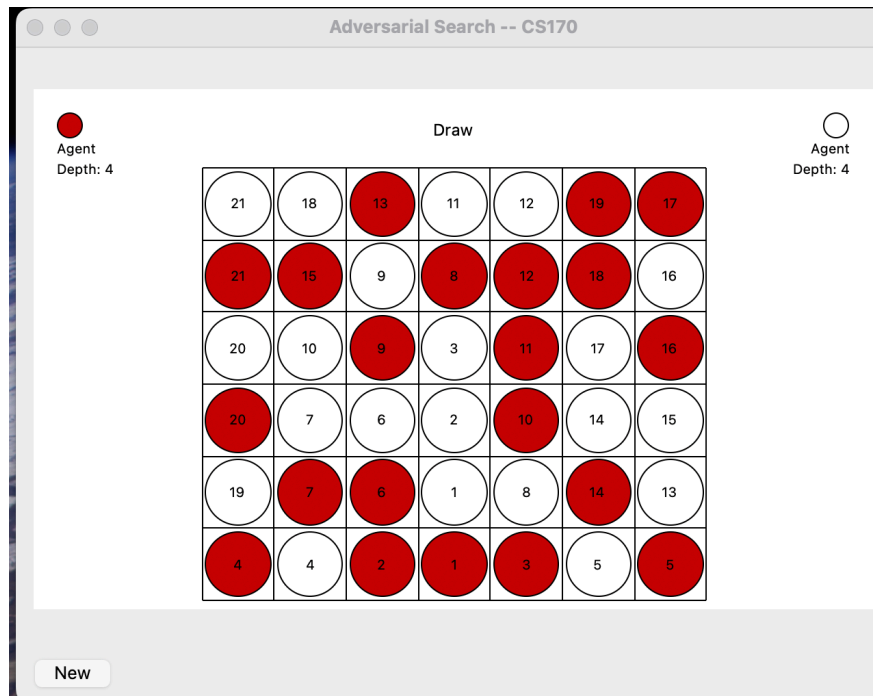


Depth 3 v 2:



Alpha-Beta Pruning

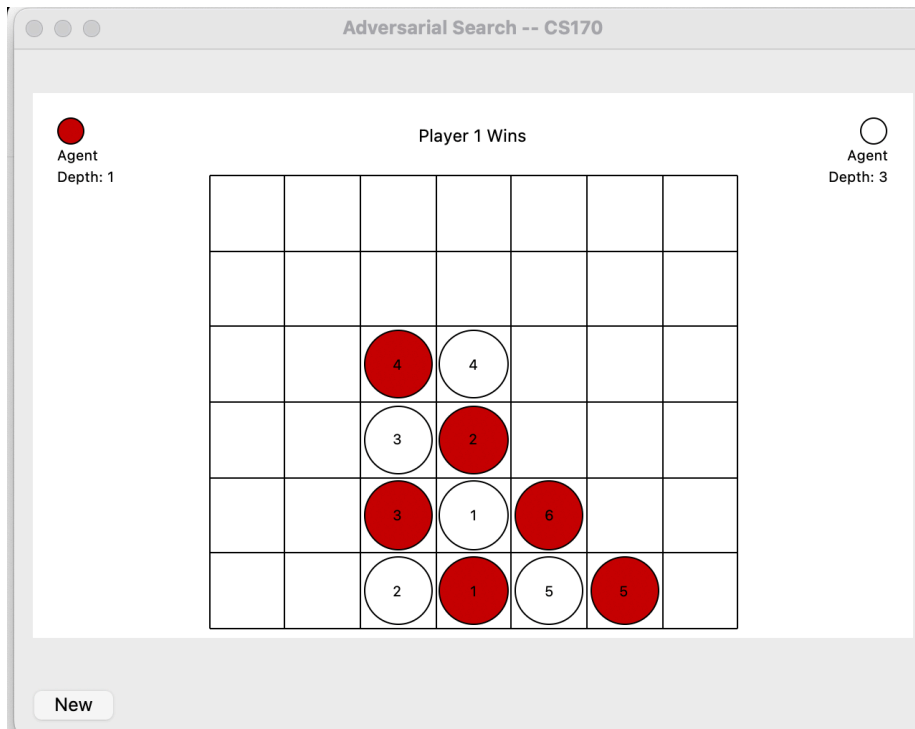
Depth 4 v 4:



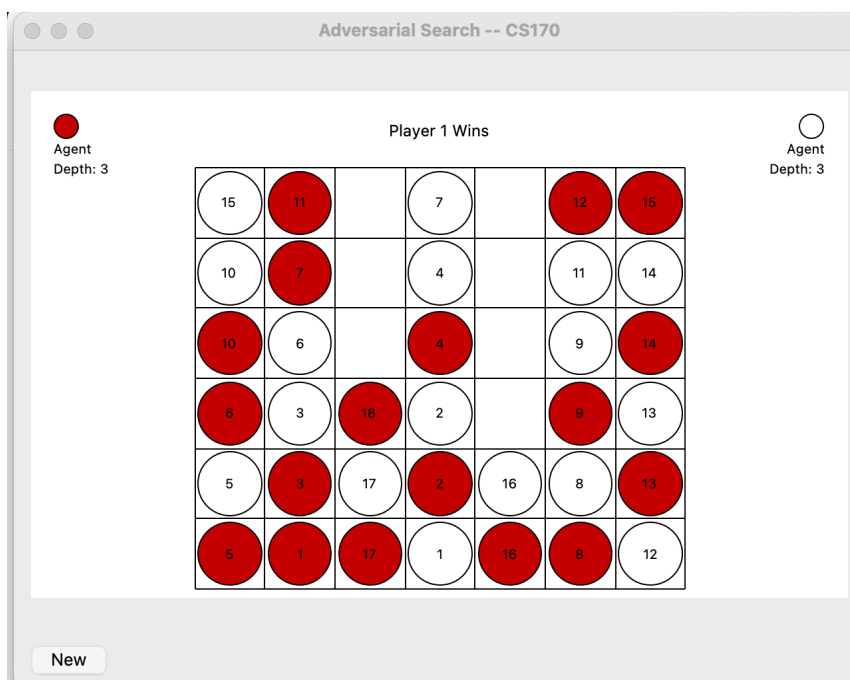
Minimax runs significantly slower than that of alpha beta, though with more depth there are more choices to make increasing the probability of winning.

Expectimax:

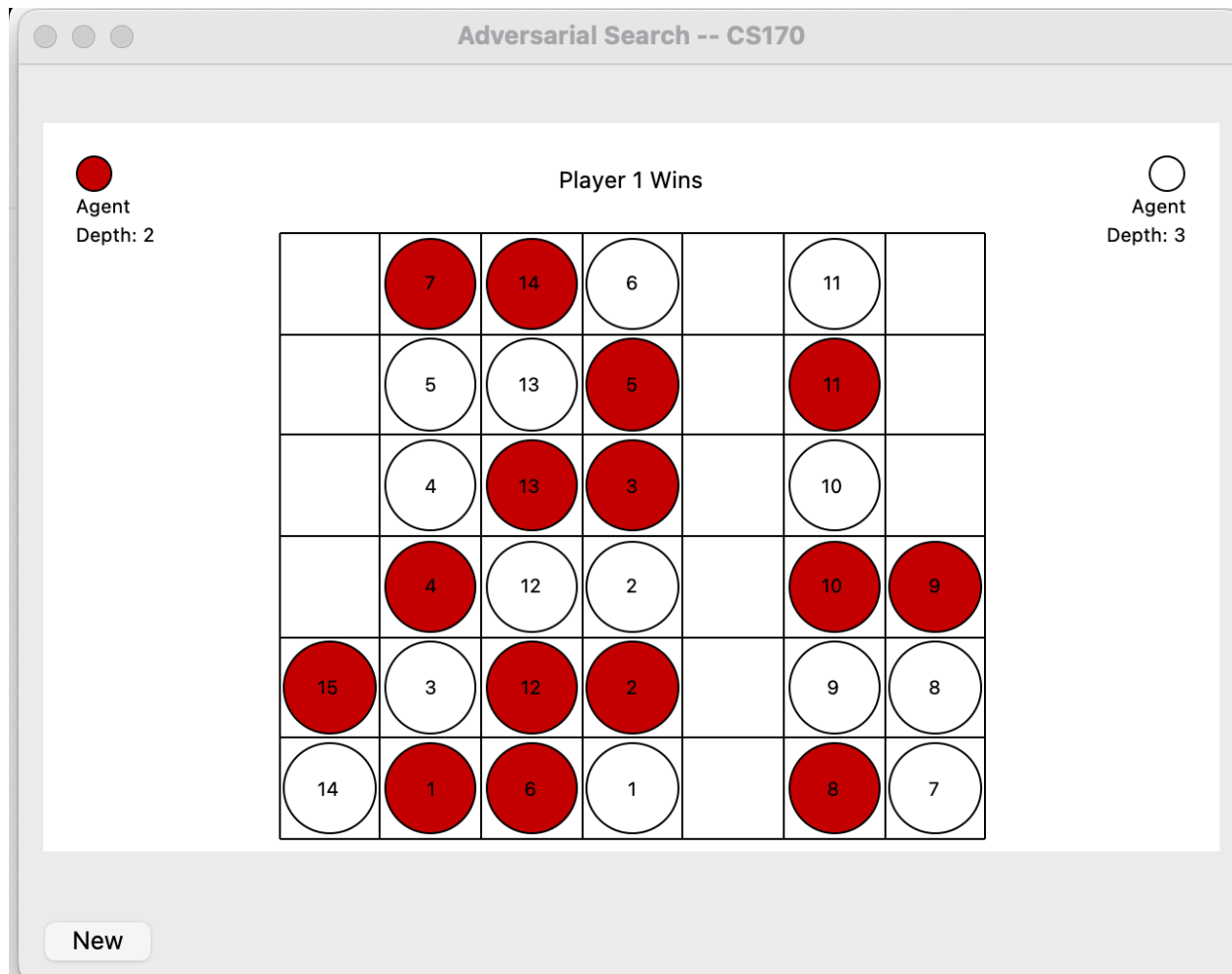
Depth 1 v 3:



Depth 3 v 2:



Depth 2 v 3:

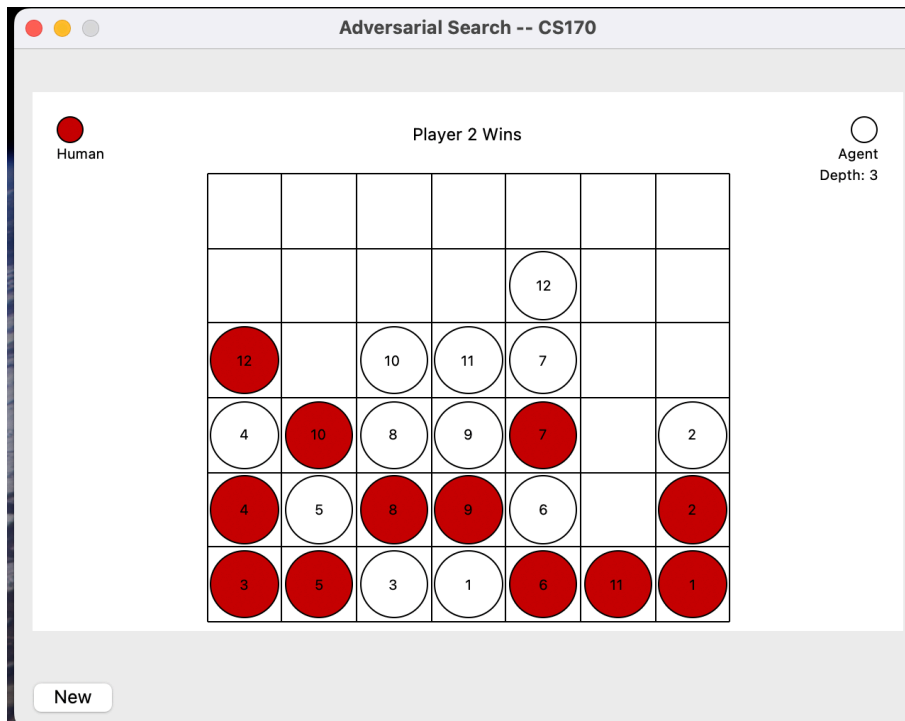


Observations:

- Alpha beta > minimax in terms of speed
- Expectimax leads to optimal decisions, because generally we make choices based on what we know. That is my understanding of expectimax.

Human (me) vs Code

Attempt 1:



Attempt 2:

