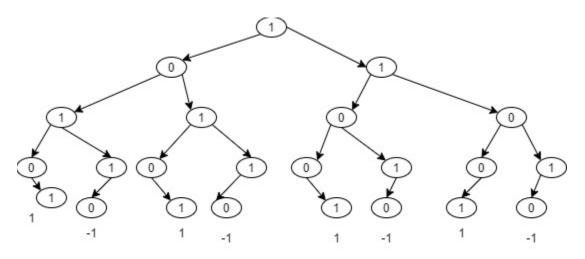
## Question 1:

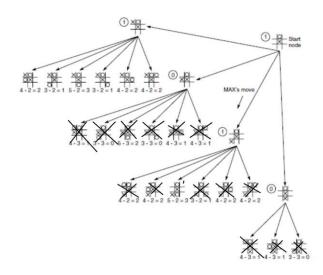
Part A



Part B

If there are an odd number of cards, Player A always wins, if there are an even number of cards Player B always wins. This only stands if the string of cards alternates in 10101 as in the example above. Thus for 3 it would be 101 and 4 would be 1010

## Question 2:

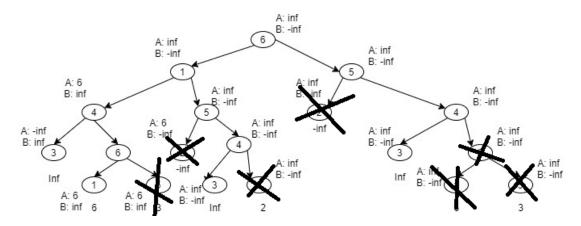


## Question 3:

A: MinMax = 2 : Optimal Move = 4

B: MinMax = 3 : Optimal Move = 4

C:



D: Stalemate. Both players can keep the game rotation as such

Thus the game is endlessly looping after the initial move if both players play optimally