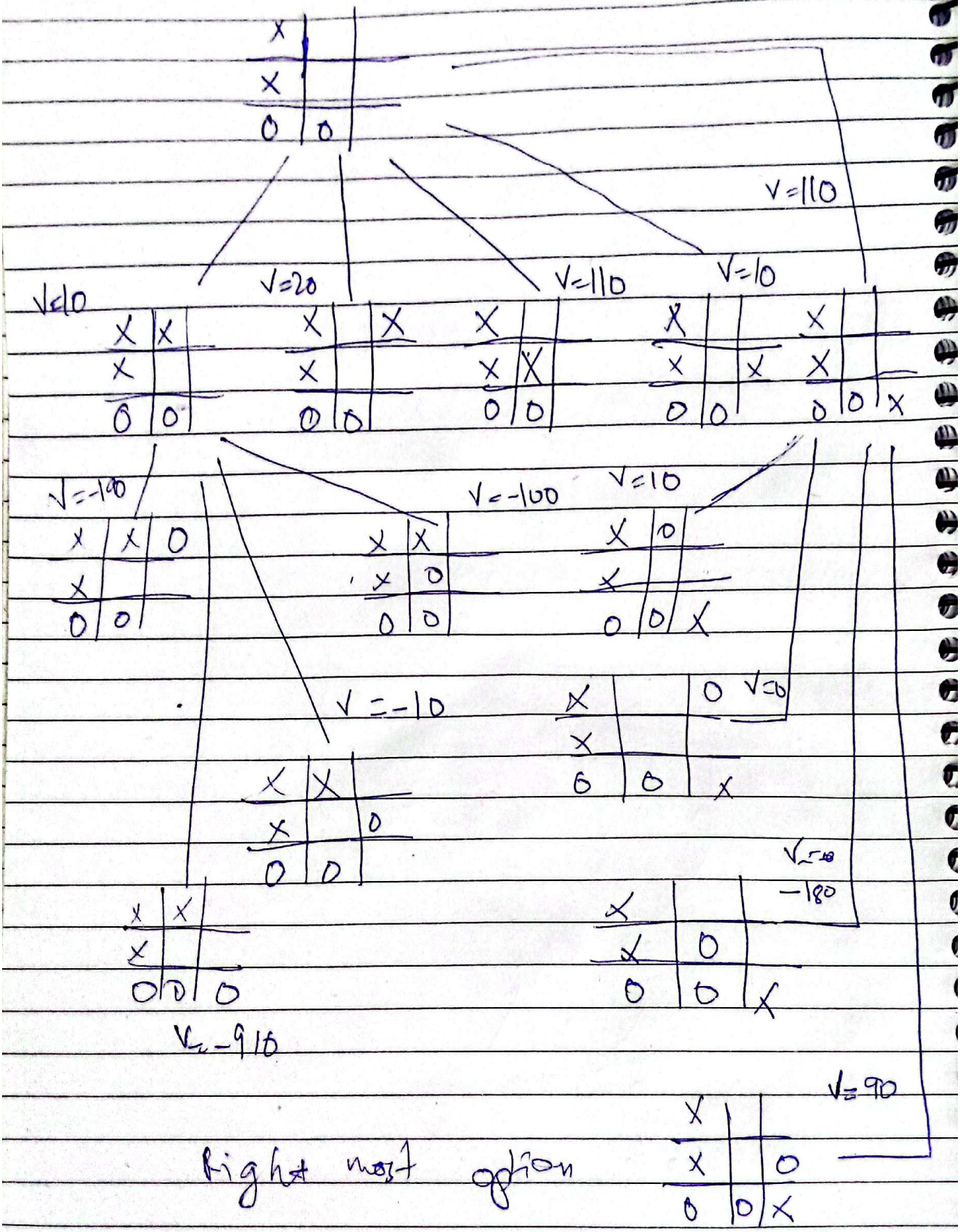
Date ____ 20 ____

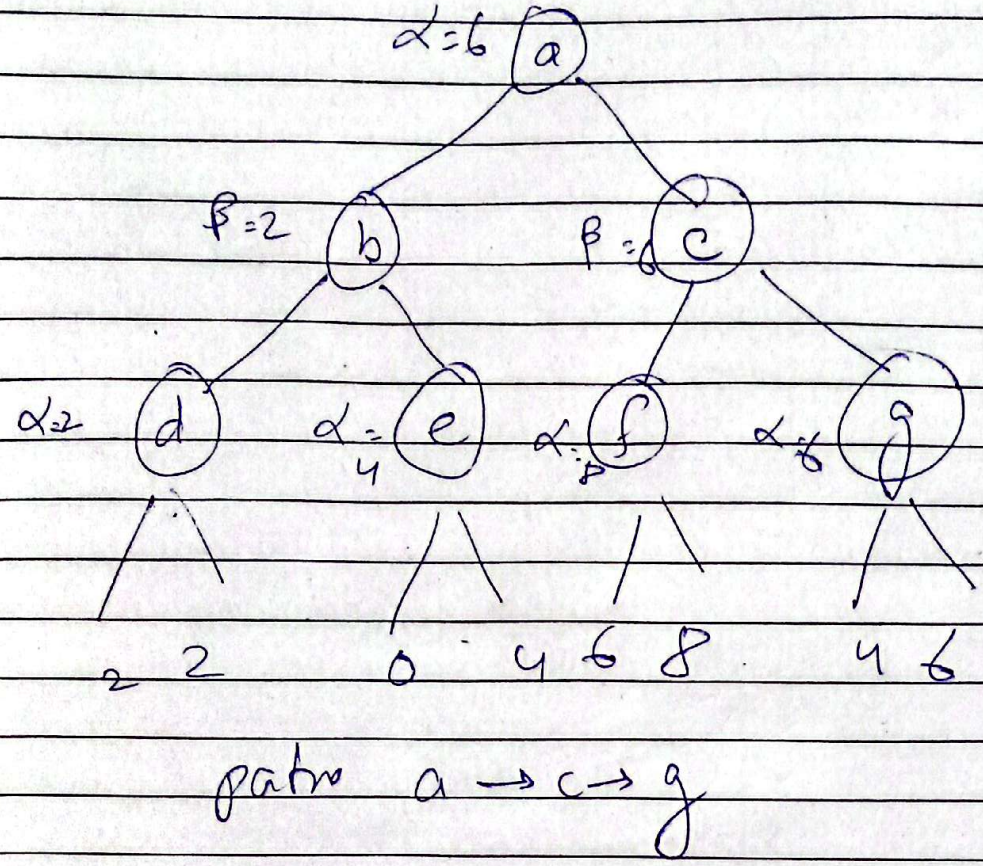
Question #4



Right most option

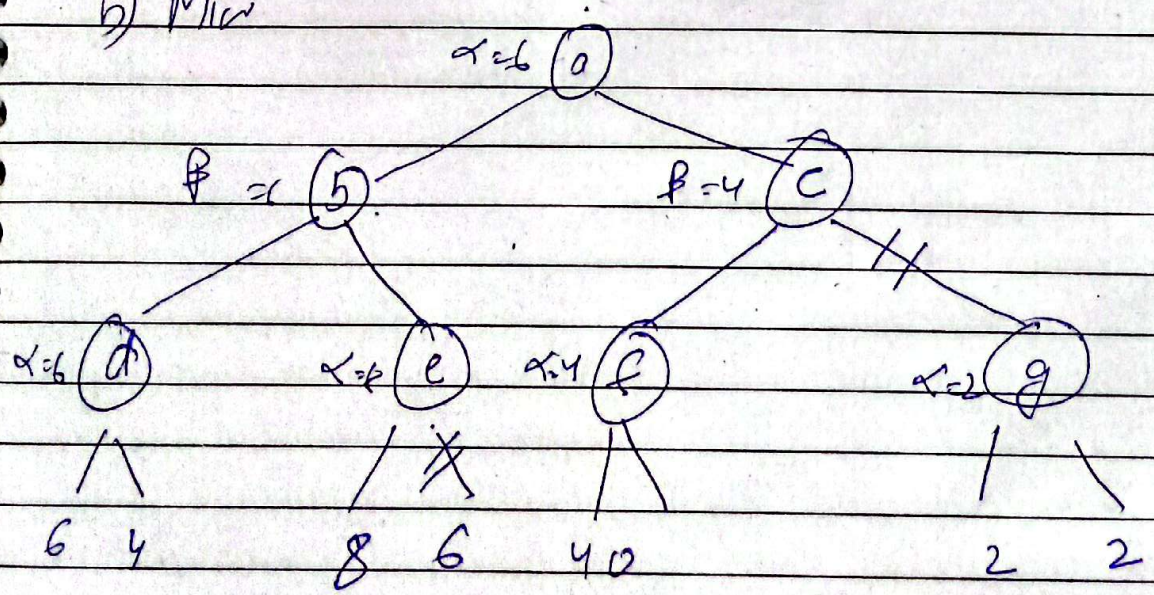
Date _____ 20__

Q.5) a) Max



path a → c → g

b) Min



a → b → d

Date ____ 20 ____

Q6) a) i) Players are the defender and the attacker the defender aims to maximize security while the attacker aims to get a breach.

ii) The decision of each player would be to play a move which forces their opponent to pick something which isn't the best option

iii) In non-stochastic ~~se~~ ~~en~~ ~~seee~~ scenario, the defender have a single strategy to reply on but with introduction, the defender now has to consider multiple options by keeping track of probabilities.

b)