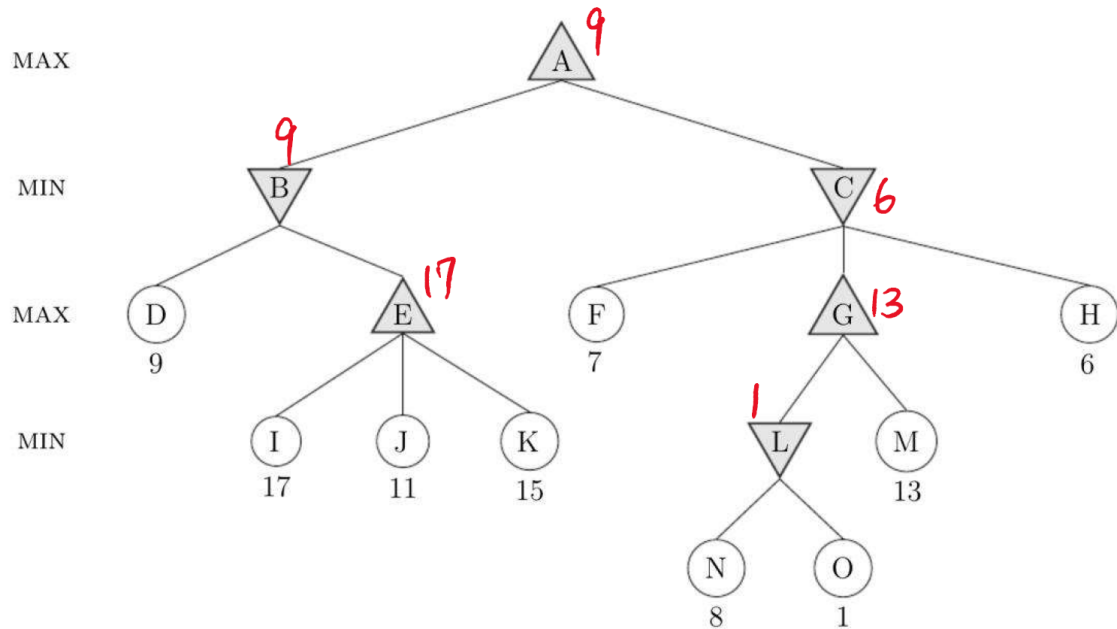


FAI 2024 HW2 Solution / Grading Criterion

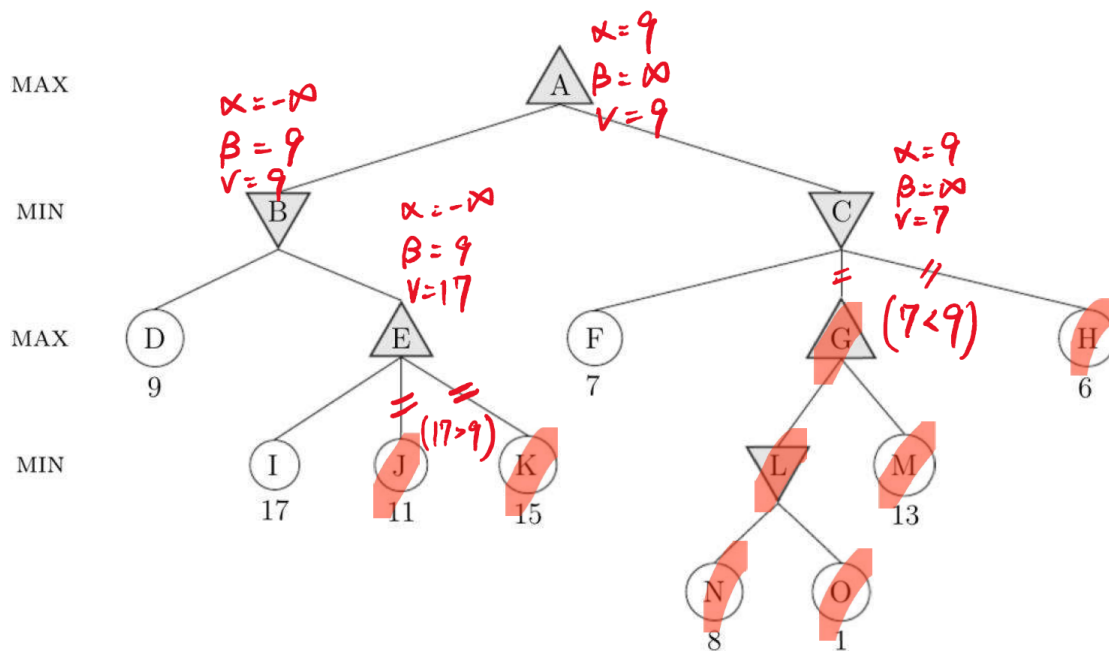
Please email to fai-ta@csie.ntu.edu.tw if there's any mistake you find in this sample solution.

Problem 1

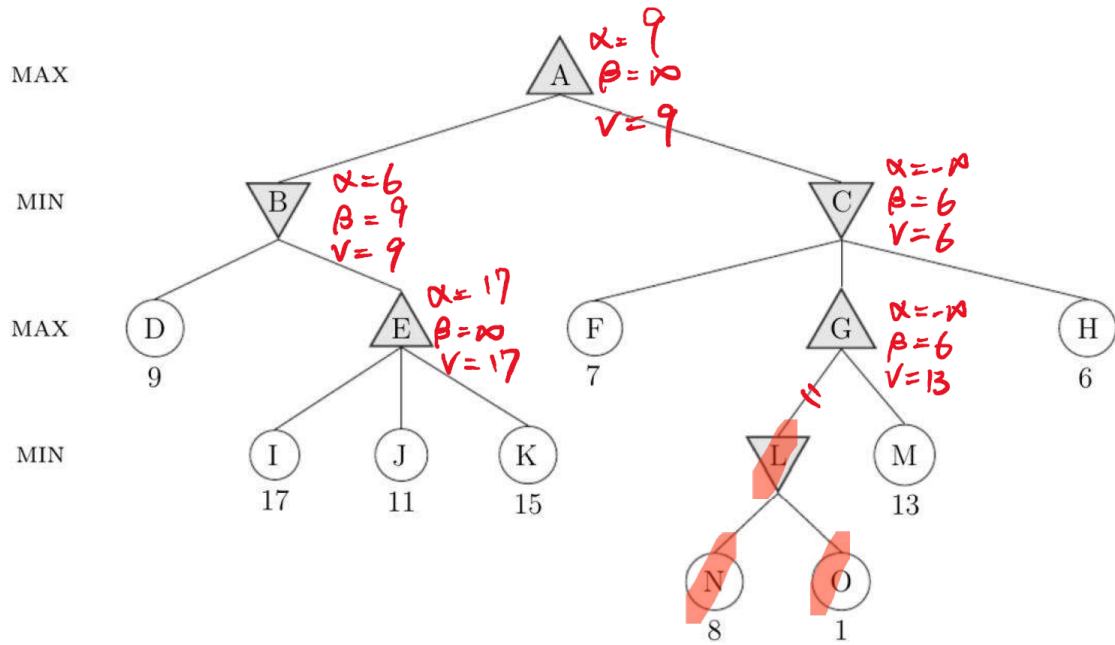
a)



b)



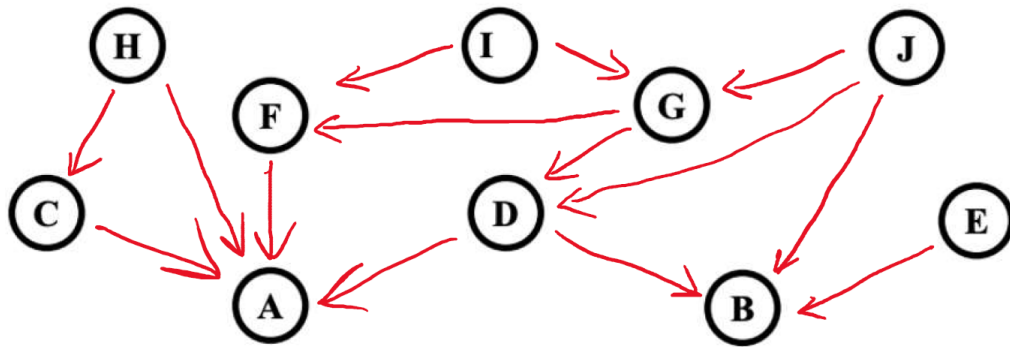
c)



Problem 2

(a) $P(A|C, H, F, I, D)P(B|D, E, G, J)P(C)P(D|I)P(E|J)P(F)P(G|I)P(H|I)P(I)P(J)$

(b)



(c) $P(C = f)P(R = f|C = f)P(S = t|C = f)P(W = t|R = f, S = t)$

Problem 3

(a) A, C, D, G, I, J

(b) L

Problem 4

