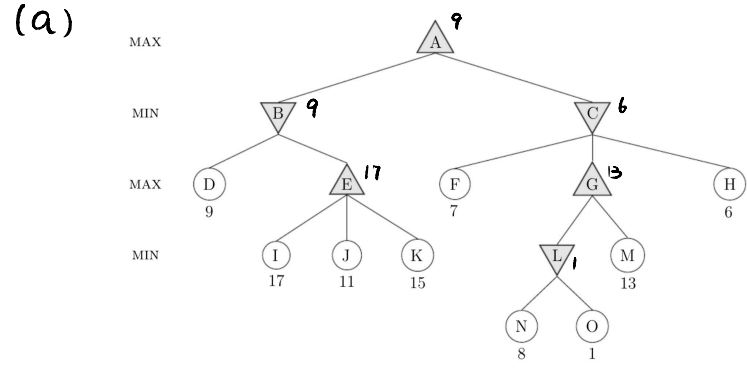
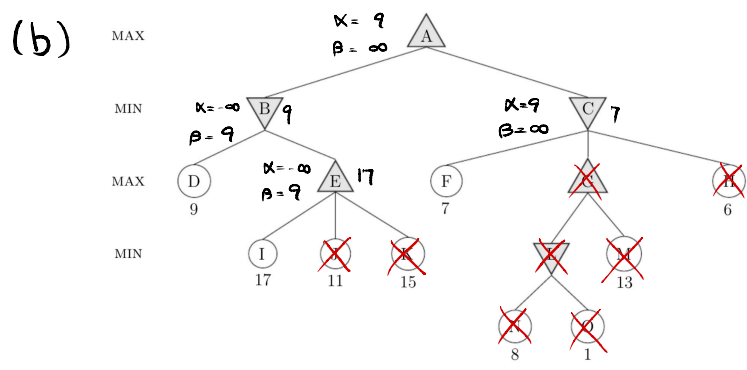


Problem 1:

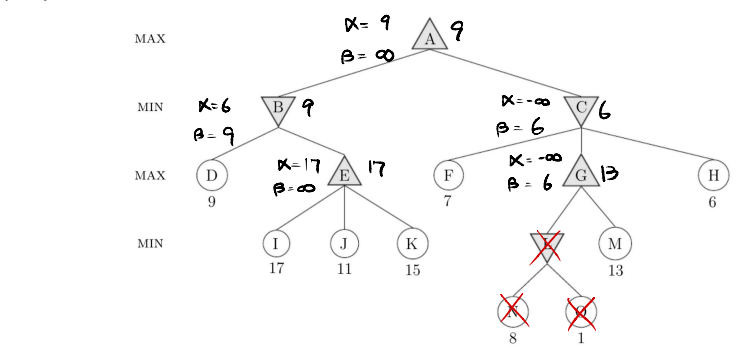
(a)



(b)



(c)

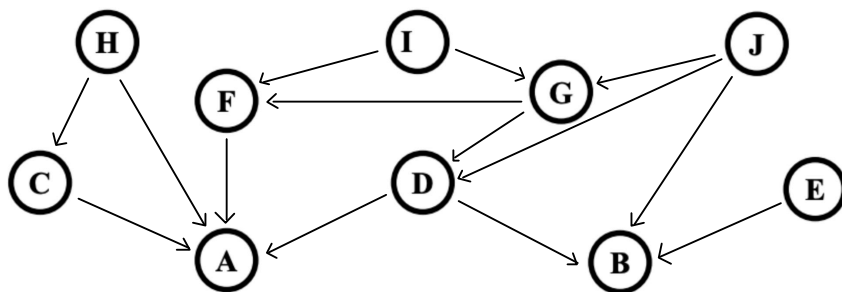


Problem 2 :

(a)

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

(b)



(c)

$$\begin{aligned} & P(C=f \wedge R=f \wedge S=t \wedge W=t) \\ &= P(C=f) \cdot P(R=f | C=f) \cdot P(S=t | C=f) \cdot P(W=t | S=t \wedge R=f) \\ &= 0.5 \times 0.8 \times 0.5 \times 0.9 \end{aligned}$$

Problem 3:

(a)

A, C, D, G, I, J

(b)

L

Problem 4:

