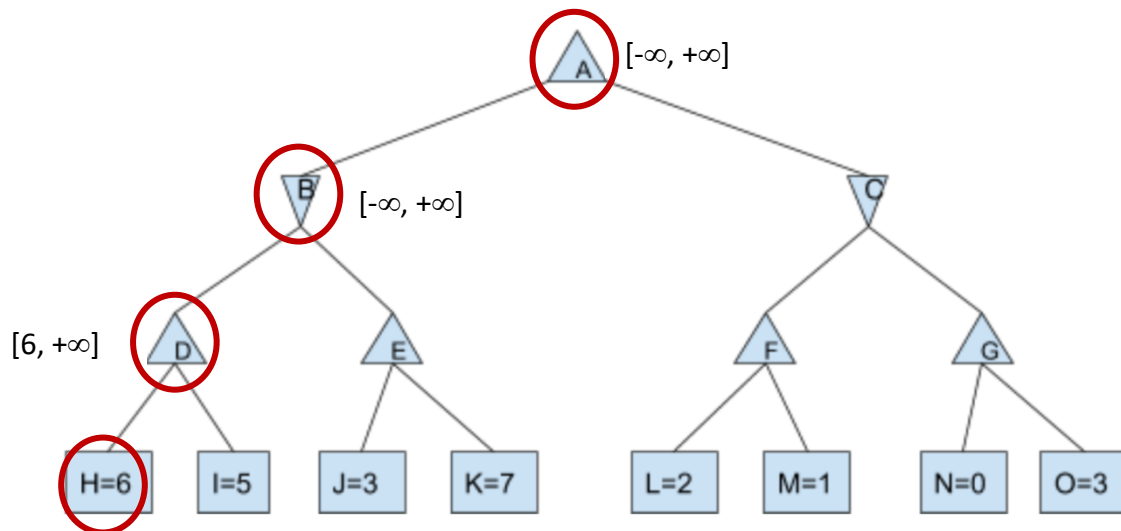


# Report Homework 2

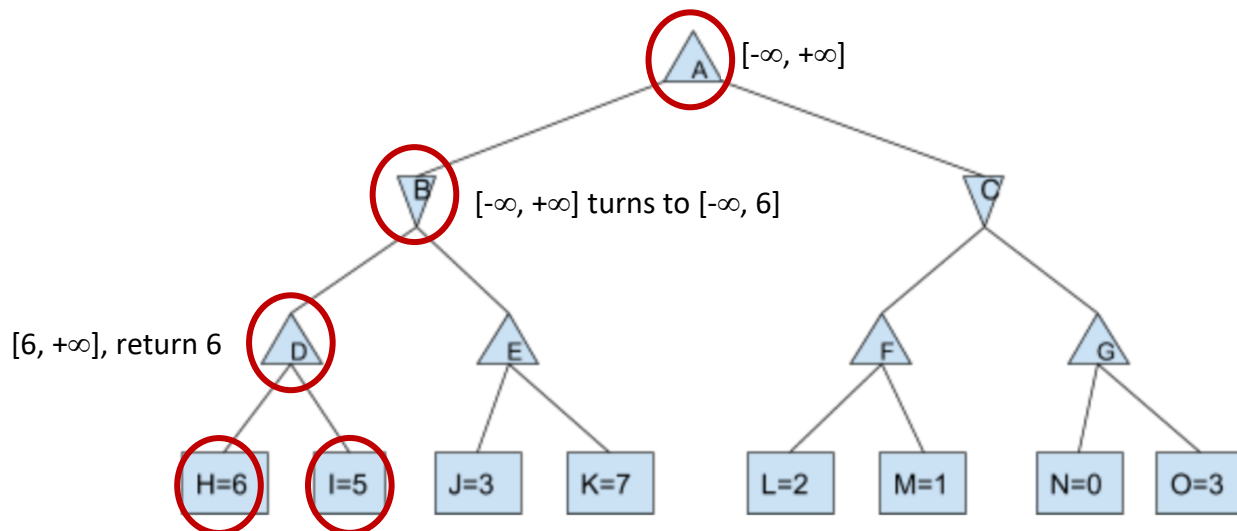
Meiqi Guo ([meg168@pitt.edu](mailto:meg168@pitt.edu))

## Manual process of tree 1:

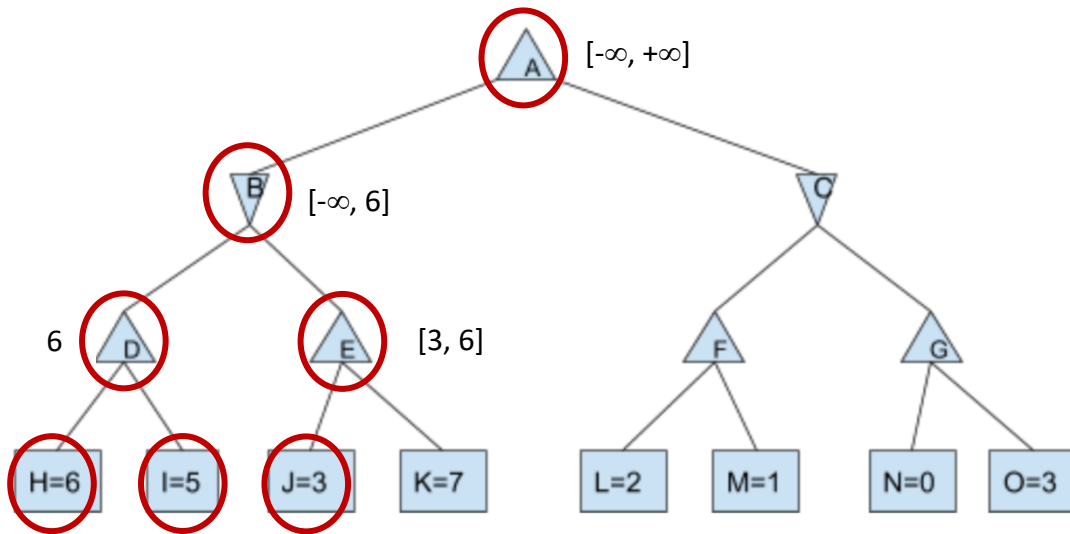
(1)



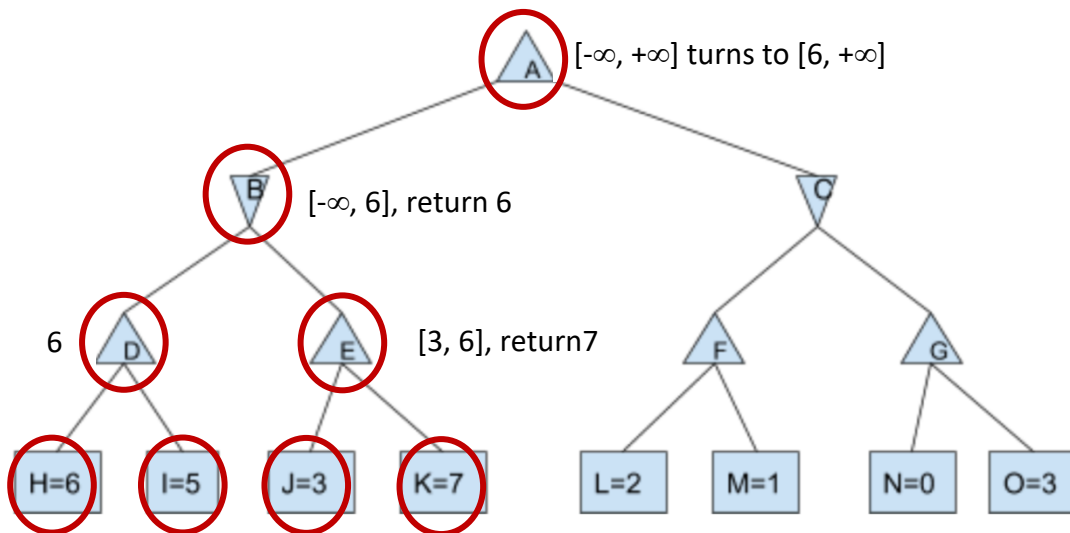
(2)



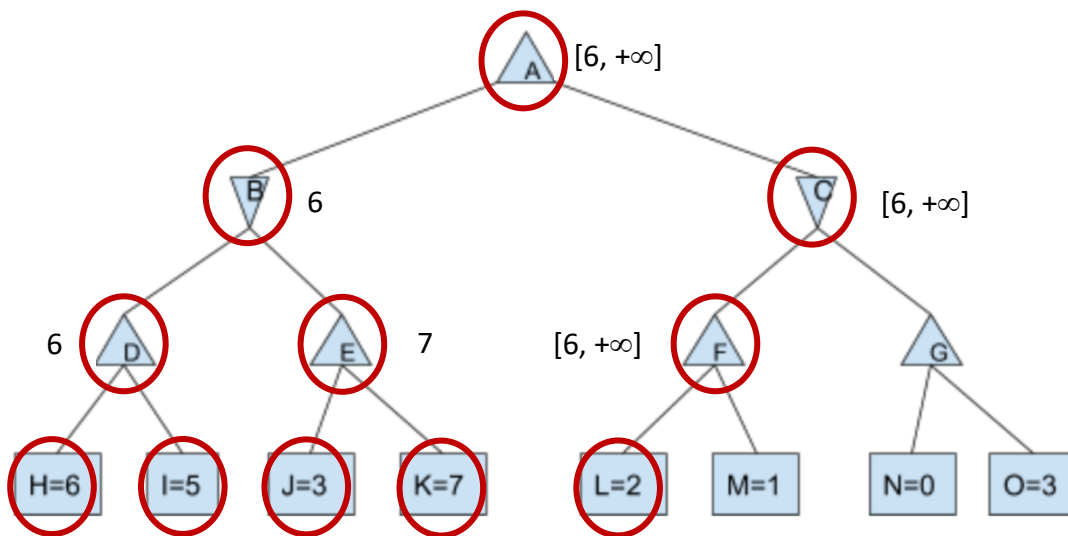
(3)



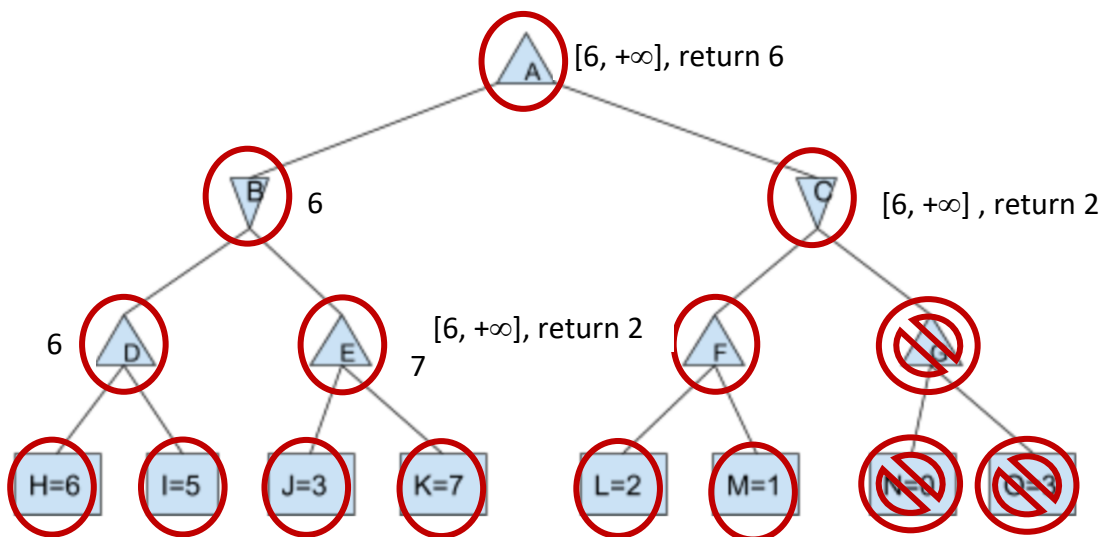
(4)



(5)



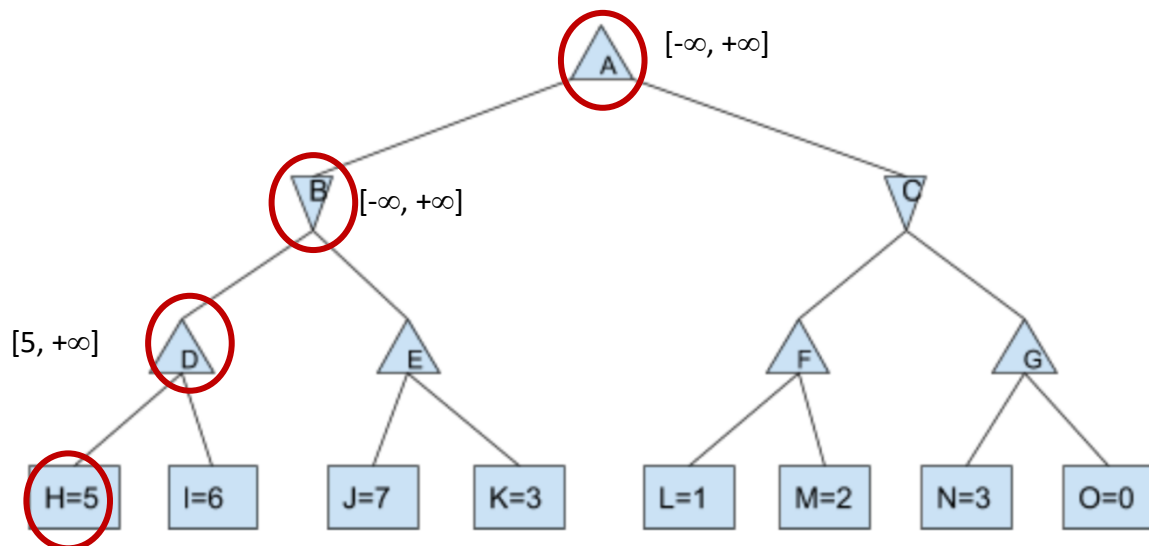
(6)



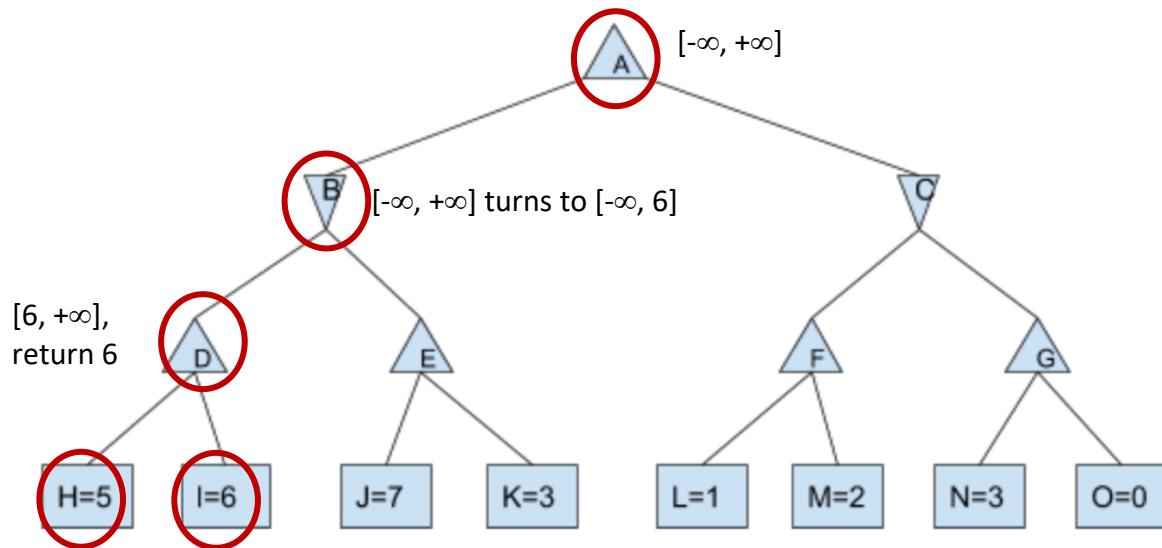
Since  $F = 2 < 6$ , then we don't need to visit G and its children. Therefore,  $C = 2$  and  $A = 6$ . The final utility value is 6. Action path should be  $A \rightarrow B$ .

## Manual process of tree 2:

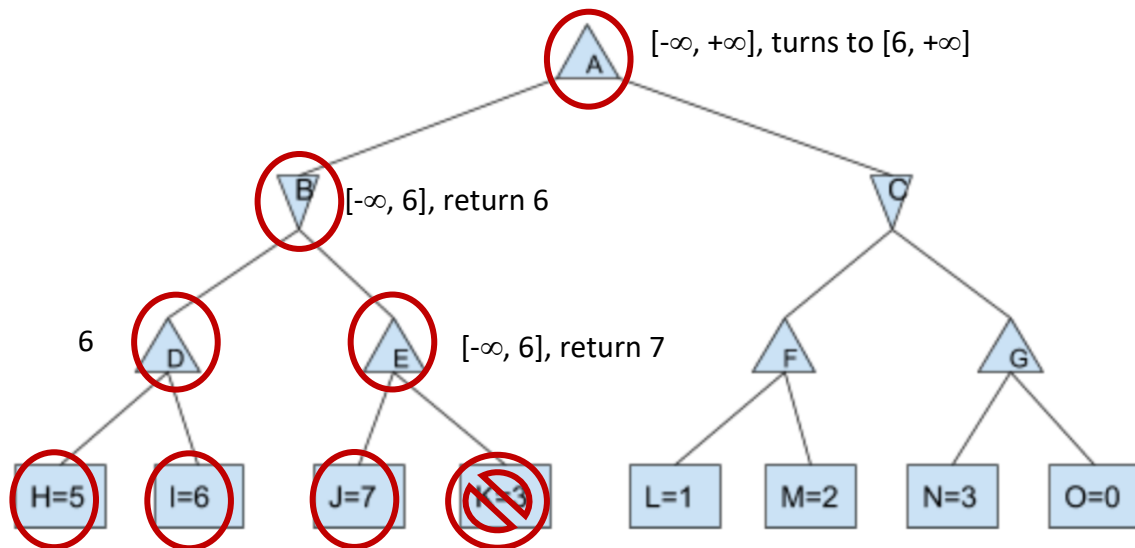
(1)



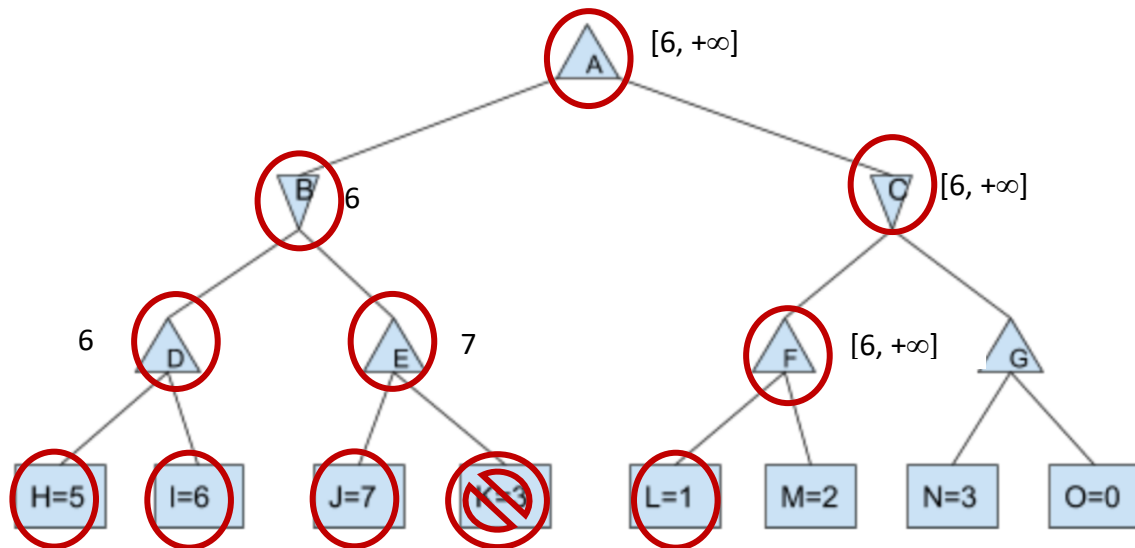
(2)



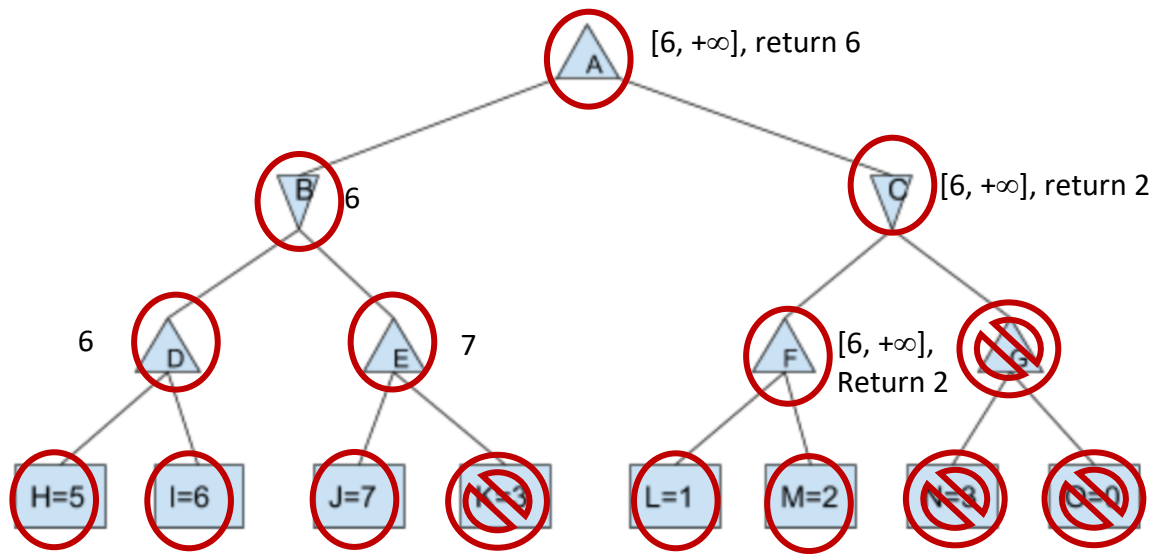
(3)



(4)



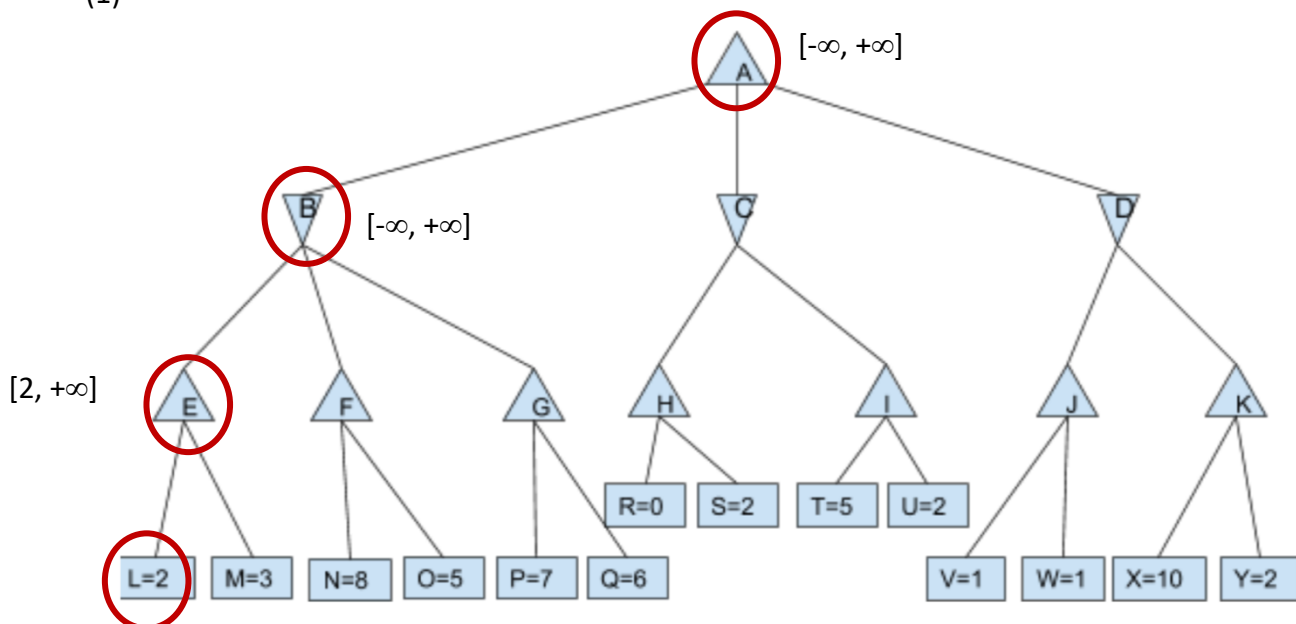
(5)



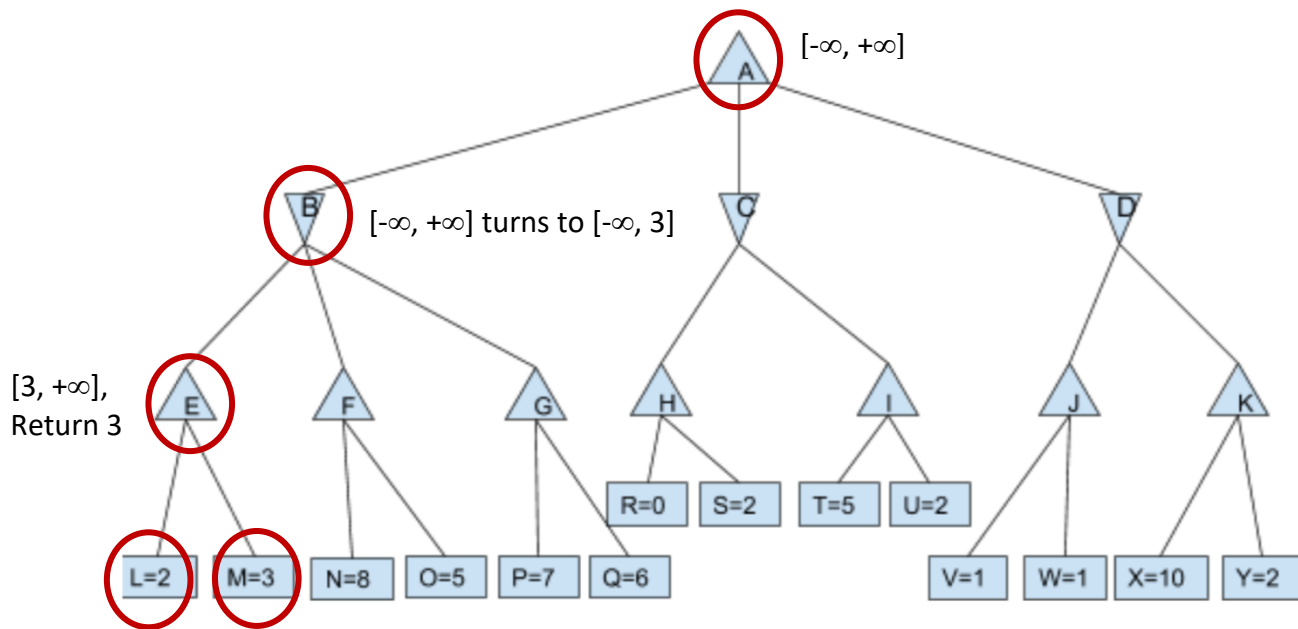
The final utility value is 6. Action path should be A -> B.

Manual process of tree 3:

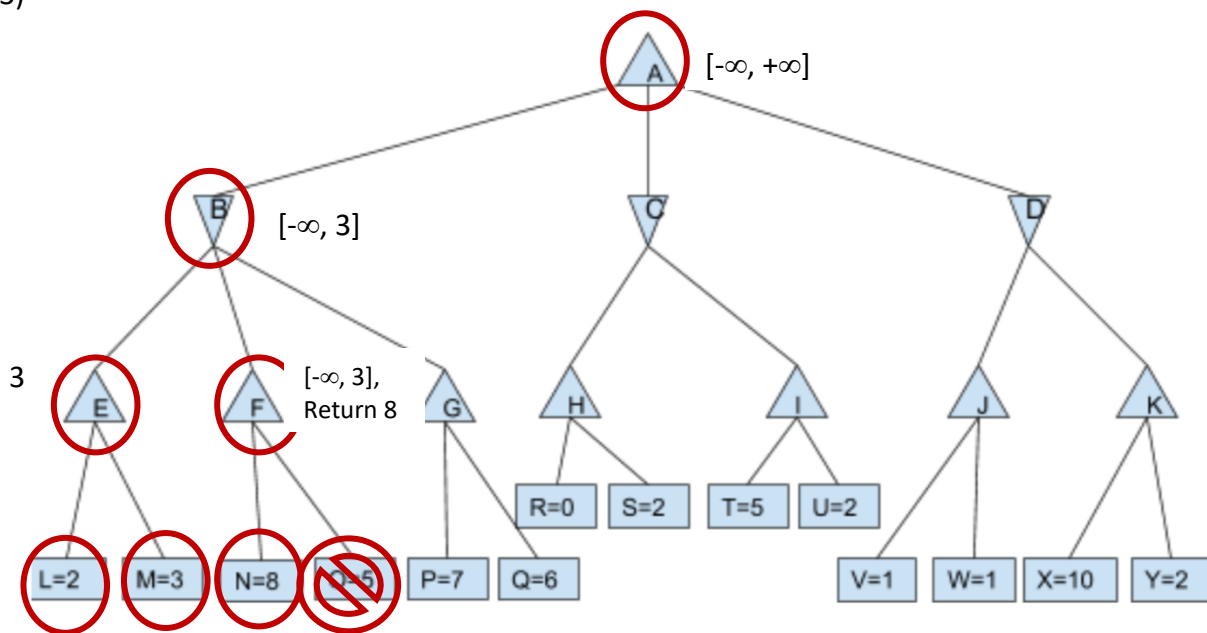
(1)



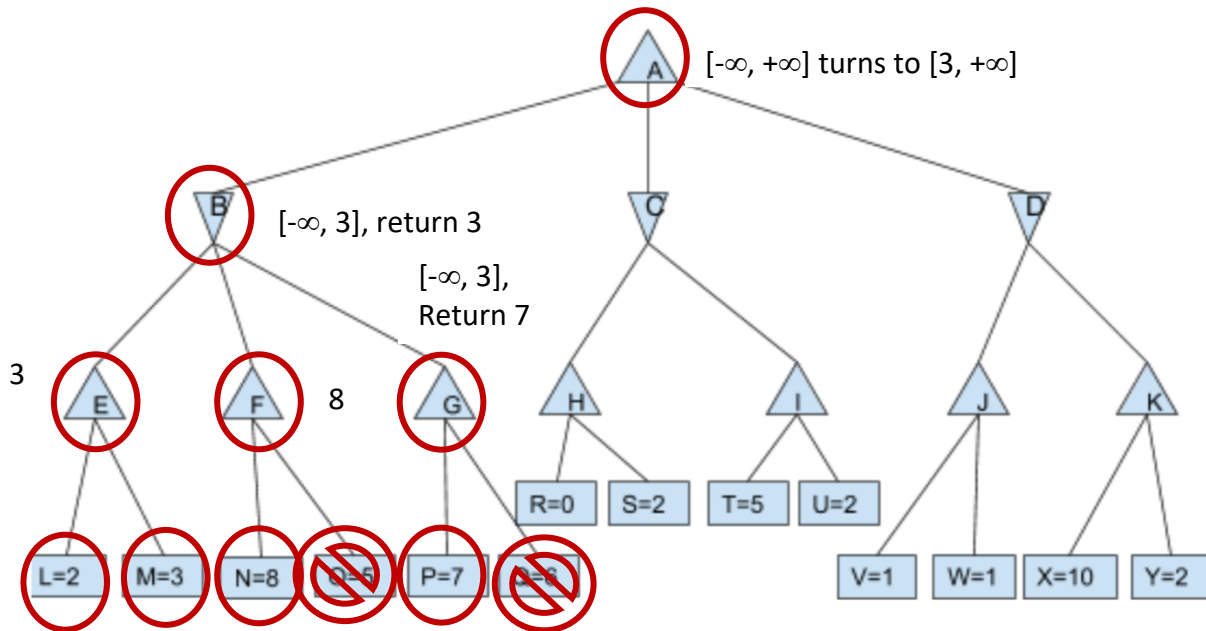
(2)



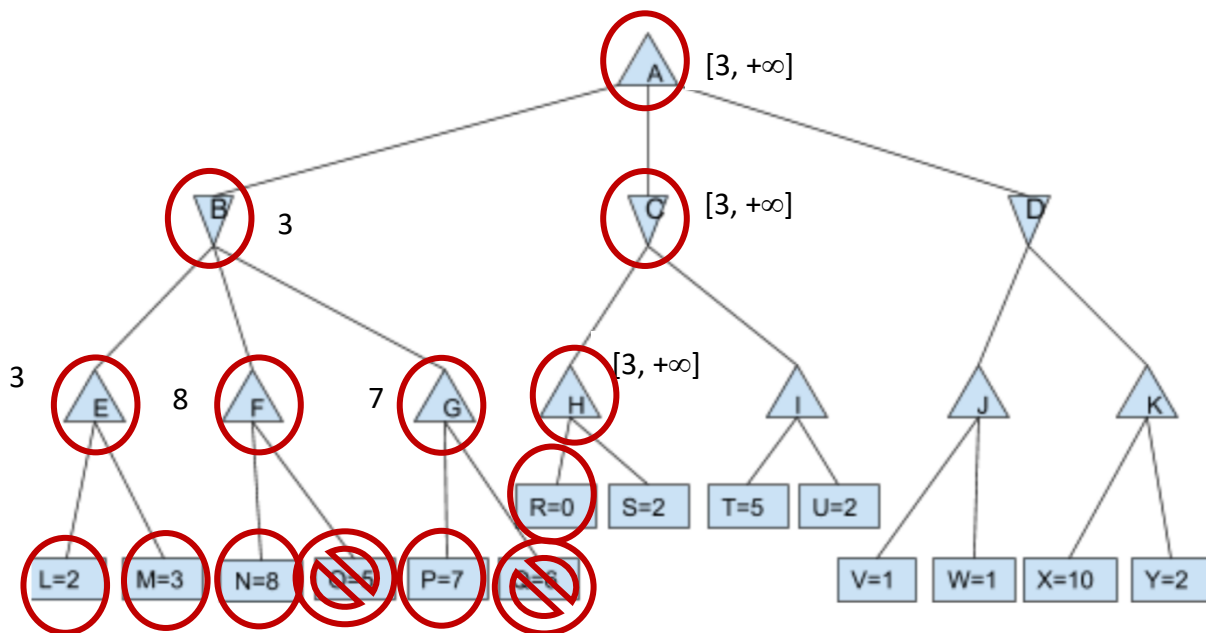
(3)



(4)

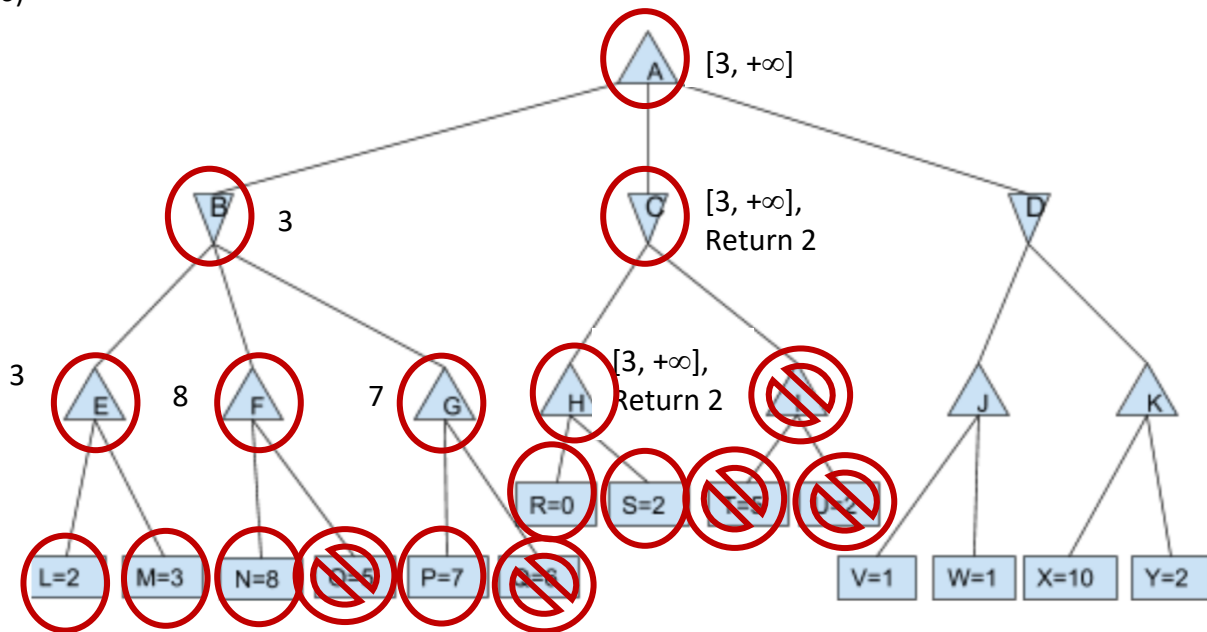


(5)

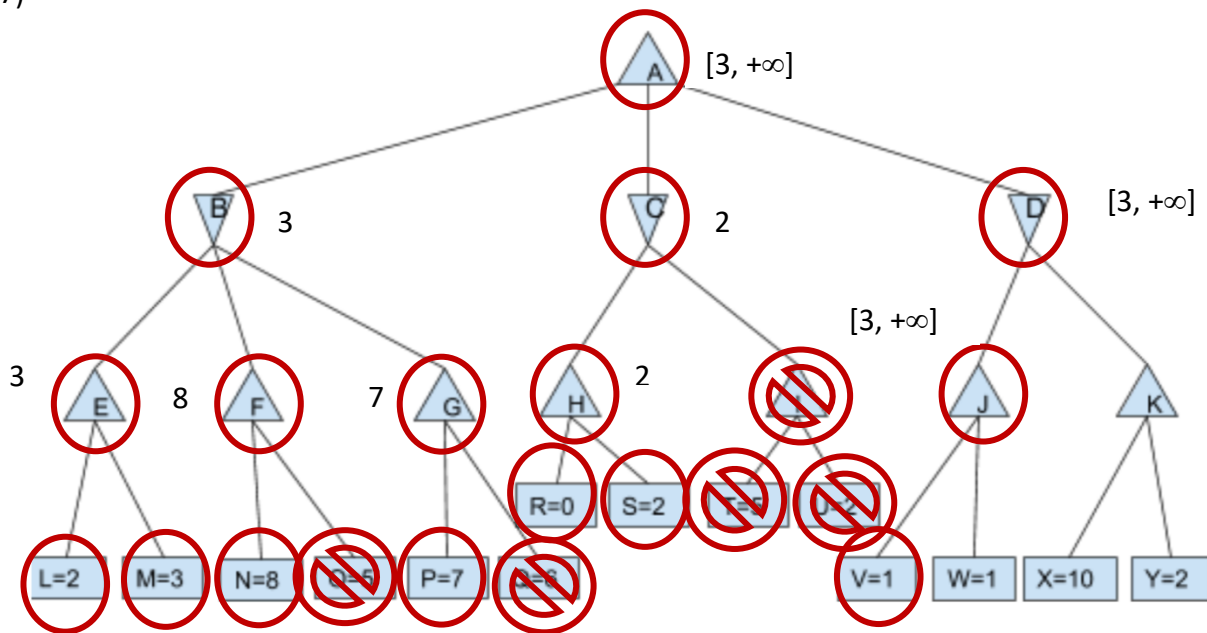




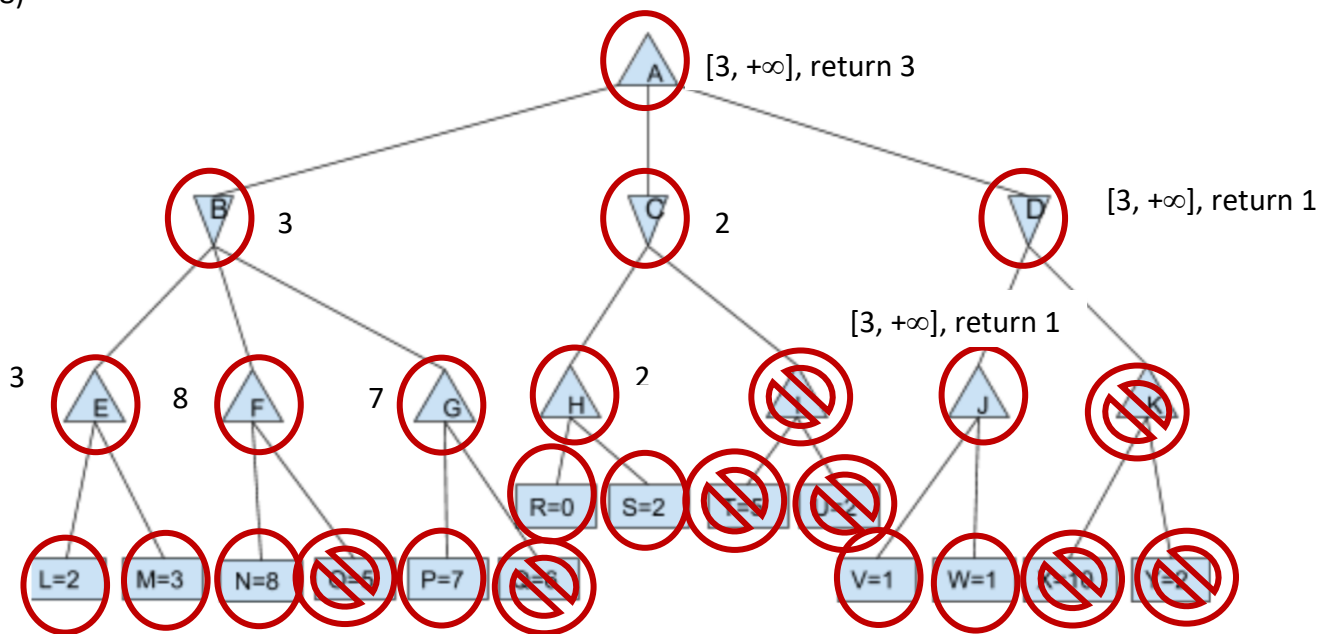
(6)



(7)



(8)



The final utility value is 3. Action path should be A -> B.