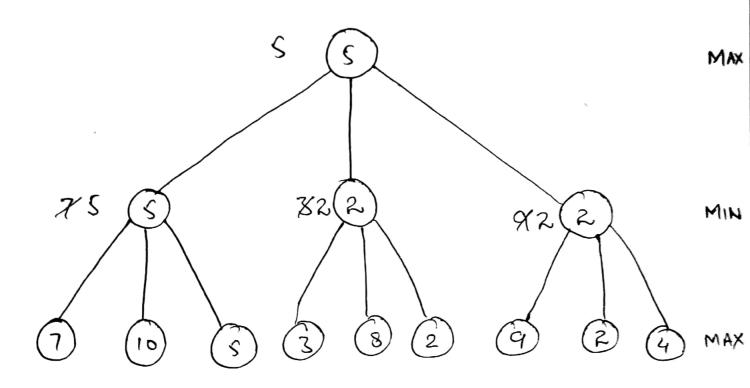
SAMA SARWAR
FAIT -BCS-090

ARTIFICIAL INTELLIGENCE

SESSIONAL #02

COMSATS University Islamabad Sahinal Campus

MINIMAX



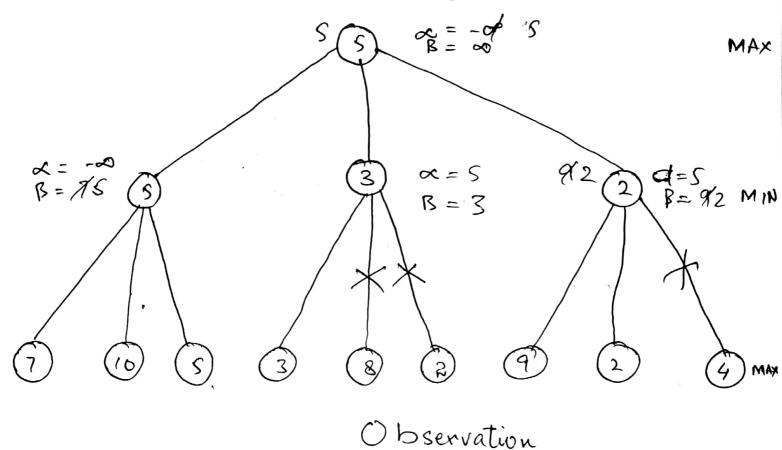
Observation

$$(\infty, 7) \Rightarrow (7,10) \Rightarrow (7,5) \Rightarrow 5$$

 $(\infty, 3) \Rightarrow (3,8) \Rightarrow (3,2) \Rightarrow 2$
 $(\infty, 9) \Rightarrow (9,2) \Rightarrow (2,4) \Rightarrow 2$
MIN

$$(-\infty, S) \Rightarrow (S,2) \Rightarrow (S,2) \Rightarrow S$$
 MAM

Alpha-Beta Fruning



$$(\infty, 7) \Rightarrow (7,10) \Rightarrow (7,5) \Rightarrow S$$

 $(5,3) \Rightarrow 3$
 $(5,9) \Rightarrow (5,2) \Rightarrow 2$
 $(5,3) \Rightarrow (5,2) \Rightarrow S$

In alpha-beta pruning we reduced the amount of computation and searching during min max. Whereas assign heuristic values to the nodes at the depth and the second is used to propagate the values up tassion.