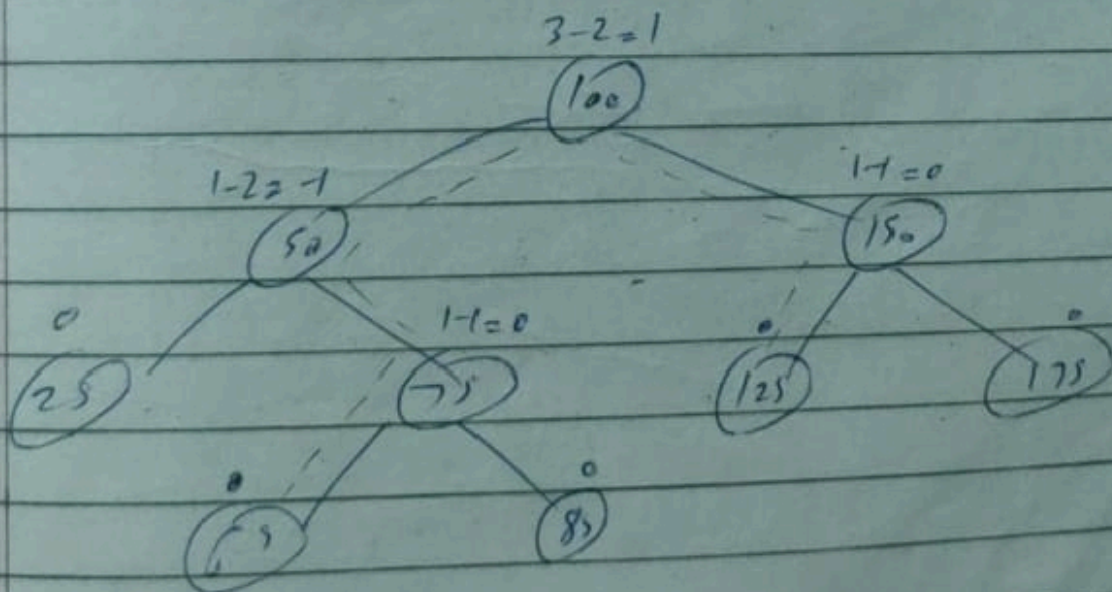


## # AVL Tree -

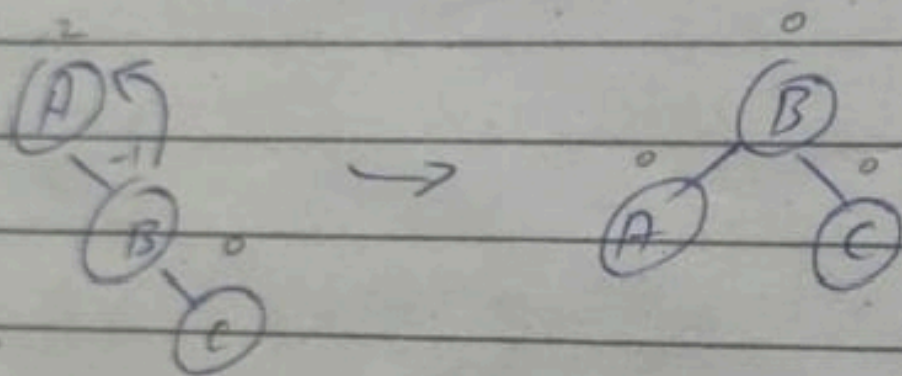
Height balanced binary search tree

Balance Factor (K) =  $\text{height}(\text{left}(K)) - \text{height}(\text{right}(K))$   
 $-1 \leq K \leq 1$

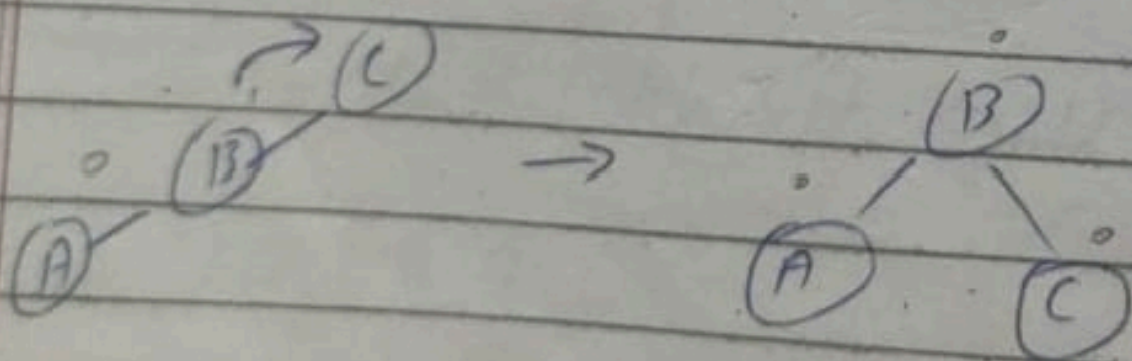


## # Tree Rotations -

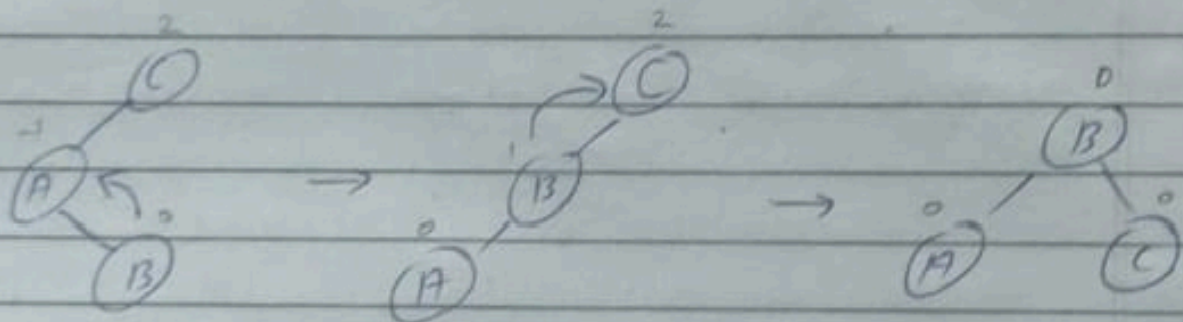
1.) left rotation -



2.) Right rotation



i) left-right rotation -



ii) Right-left rotation -

