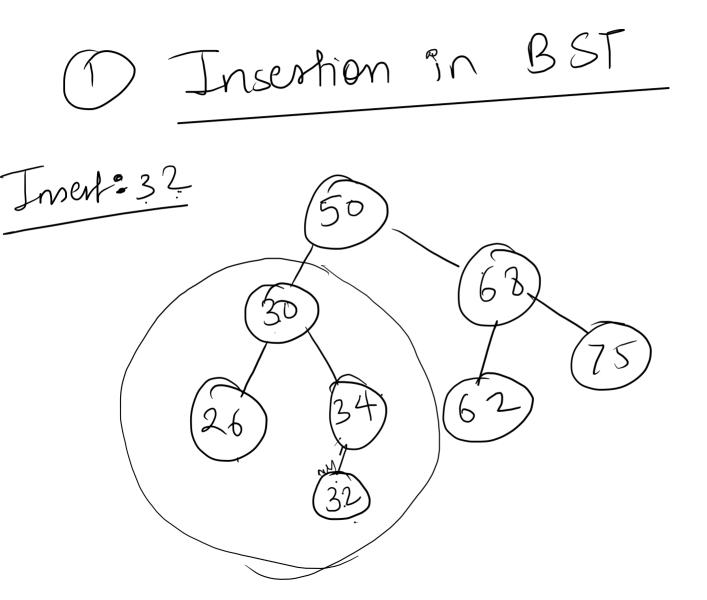
## BINARY SEARCH TREE

left = root 30 Inorder ? 10,30,40,50,60,70,80

Sorted

(50)



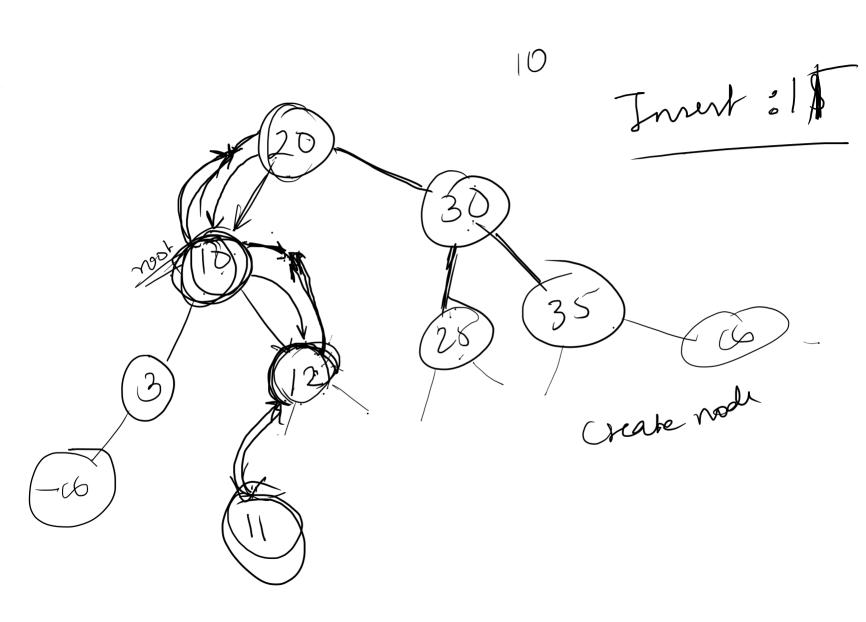
Insert: 28

if (Key < root.val)

telt if (Key > rook.val) if (root===null)

ment (Key)

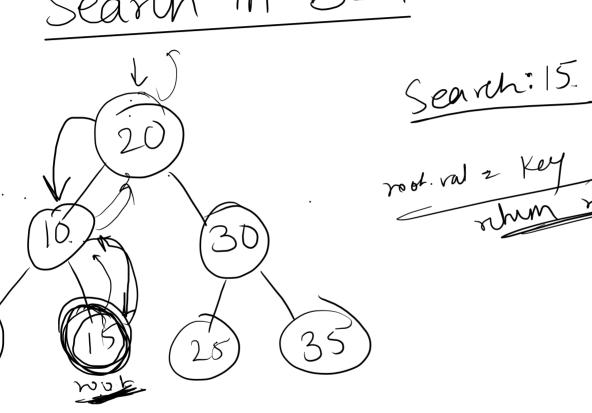
Insert: 28



O ( hogn)

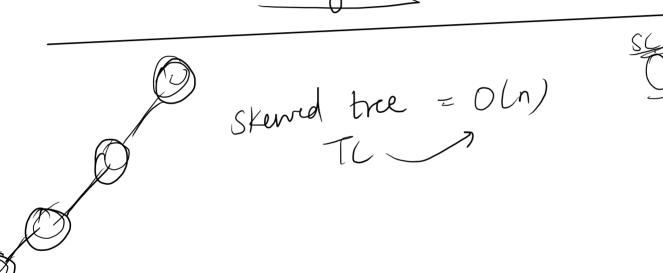
Aux space = OCA

## Search in BST



IF ( most=2 nul) if ( yout, val == key) too muly if (key < root.ral) ohn search (Wit) sim sear (orght)  $\mathcal{O}$ MM

if (not z nul) schum null T.C = O(logn) Average con



TC