

del te (91) connected? and How is To delete 91 mg
home brook the conn £ (9s) if (91 2 95°) right=nel 95. left = f (95. left,91) 0 fw 95 8191

$$f(200,150)$$

if (100 c 200)

200.14 = $f(200.141,150)$

(150, 150)

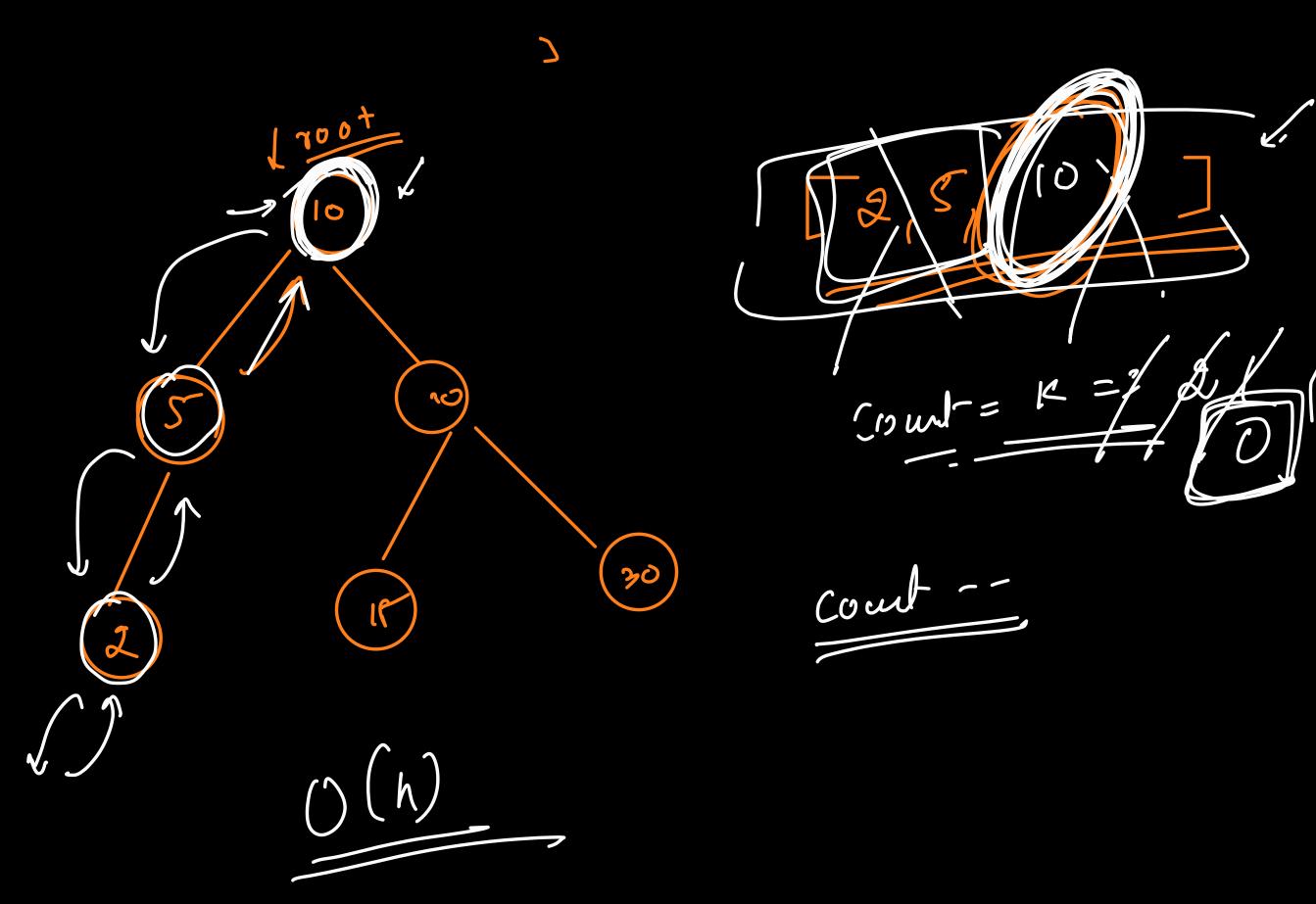
delete (200) 200 loo Sulable roblan 200 melle node 90 reflace 200 well Smallest node of R.S.T. or 20 biggst rode g # Smallet node g RST- left most node g EST

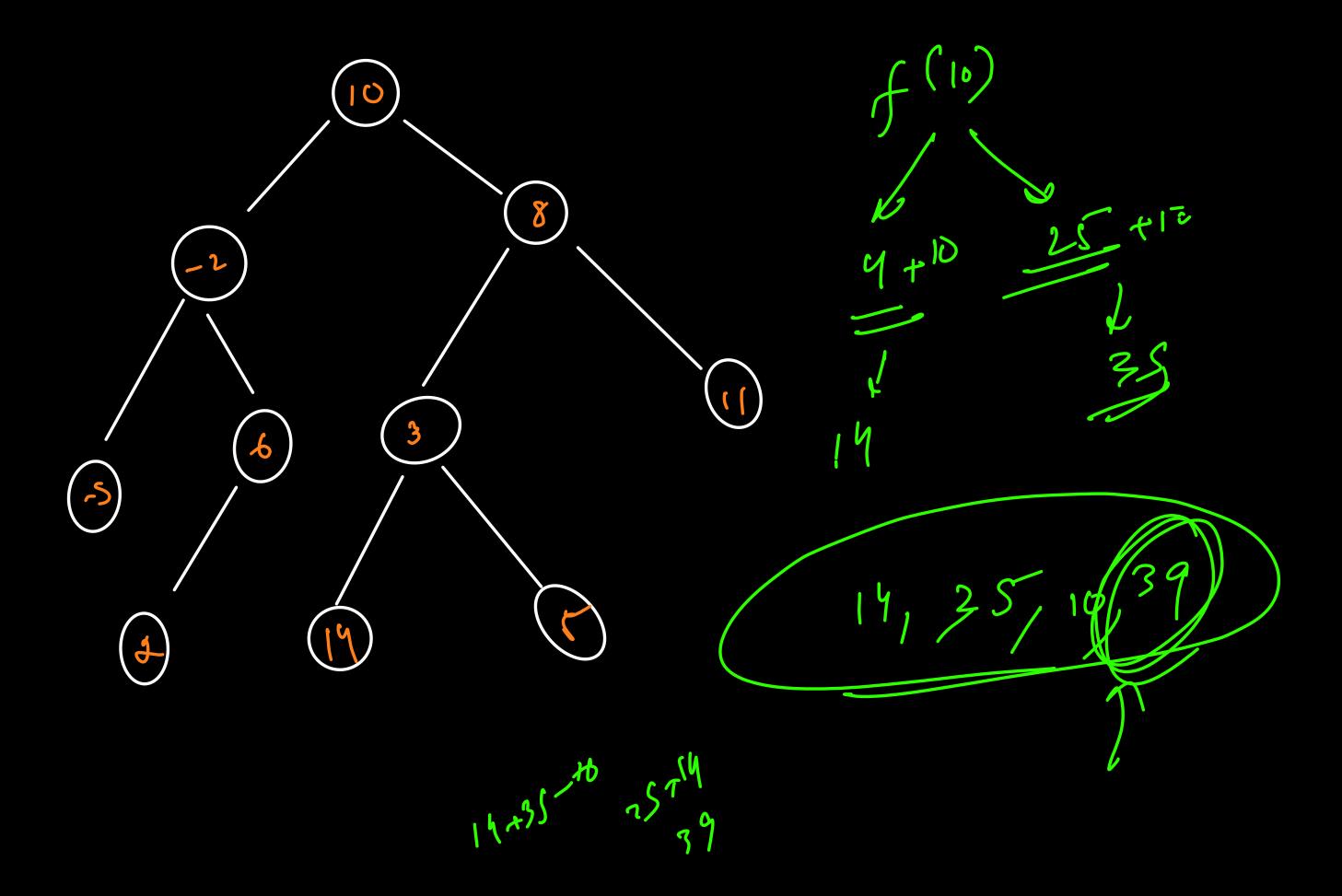
f (root, value) = # Seauly if (valu < root. val) deletes the nock well -> 90 left valle from seub trep root.left = f(root.left, value) else if (valu > root.val)

90 right root. right = f(root. right, valu) else 6-> # node is found if (node.left == null le b node. right = = nell) K # leaf node uter rull;

else if (node. left = = null) retur node. right; l'else if (node. vight == nell)? reten no. de. left? 3 else h # 2 Subtree) teup = node-right while (texp. 19ft != well) temp = texp. lyt. mocle . vall = tep. valler nologist=f[node.right, texp.value]

relin rodi;





left 65 = f (2007. lyt) + 2001.val - xight 65 = f (2007. right) + 2001.val $\int (root) =$ ans = mar(root, val, lyttes, rigutes, 14f6s + right 6s - root-val Nor los mar (1eft-65, 8iget65, 2007-val) retur .

16s = f (root. 1eft) + root. val J (2004) 865 = { (8001.015M) < 4001.009 mar brauh Sun Ch man Sur fran ans = max (am, 16s, 86s, 16s+86s)
- root.ugs) root bely mar (19865, riger, root ver) rden ans party sur

1510 m C(4 earl, 3/0w) f (Slow, mt, foul) (had, tall create a BB·57. from linked list stalls four head noch w ten nod.

midnode = Calcimid (head) f (head, tael) = root = new TreeNode (midrode, vai root. left = f(head, midnode) root. right = f(midnode. neut, faul) relle root.