

Sum of nodes

27
(8)

15

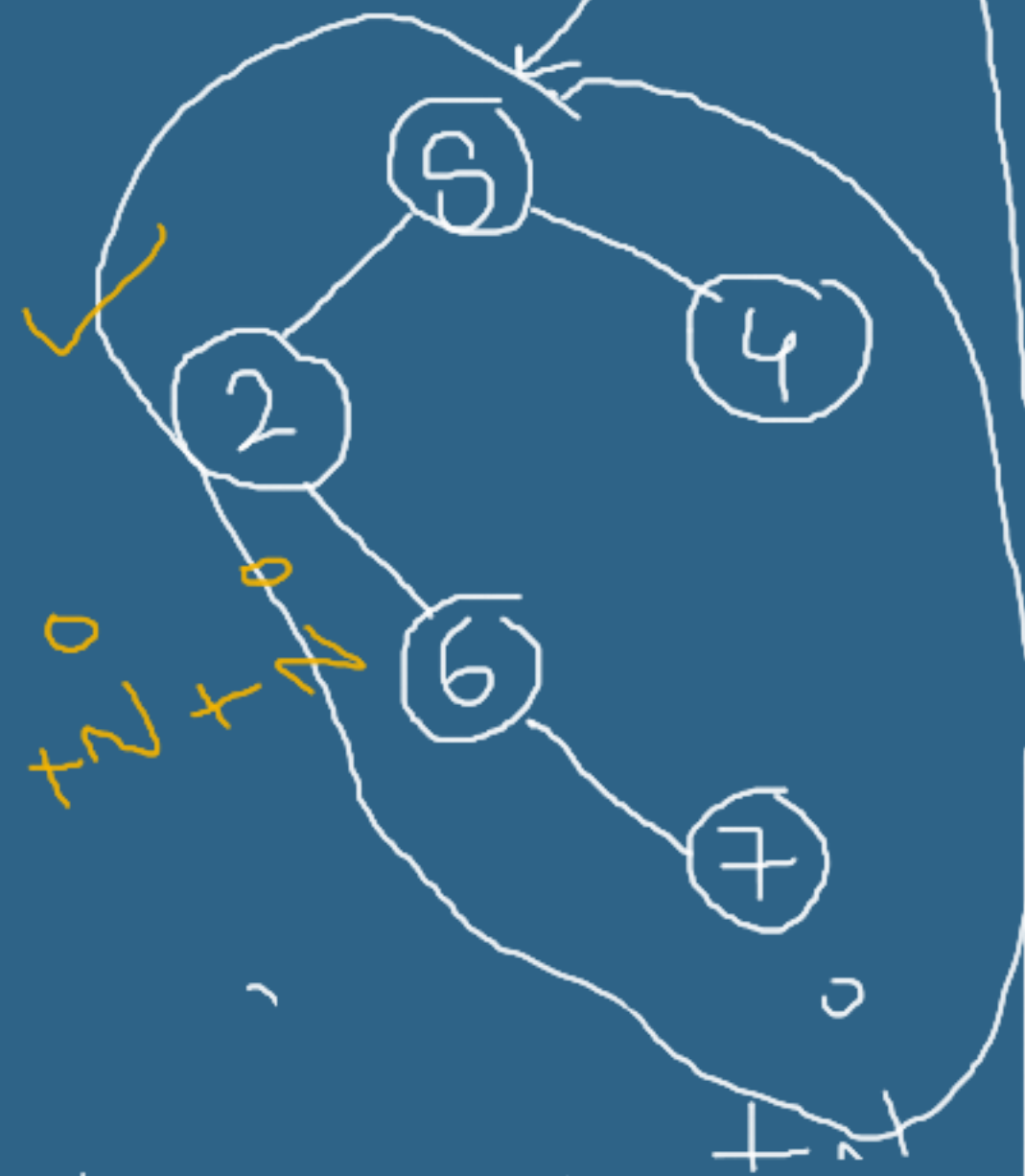
$8 + (2) + (4)$

0 13
 $2 + (N) + (6)$

0 7
 $6 + (N) + (7)$

0 0
 $7 + N + N$

Tree



No de

✓	✓	✓
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public int sum(Node root)

$O(n)$

{
if (root == null)
return 0;

return root.data +
sum(root.left) +
sum(root.right);

get diff b/w EXO levels \Rightarrow

if (root == null) (7) \Rightarrow 1
 return 0; (1) \Rightarrow 2

return

root.data -

$(\text{sum}(\text{root.left}) + \text{sum}(\text{root.right}))$

0

