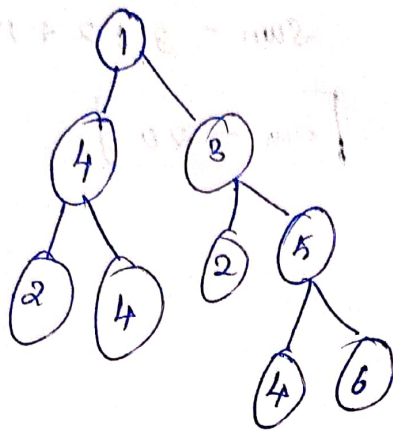


Dry Run:

Maximum Sum BST in BT:



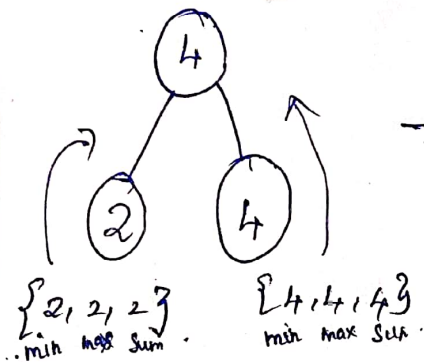
→ Postorder

→ Bottom-up approach -

→ Left Node.

Left Node

2 4 4 6



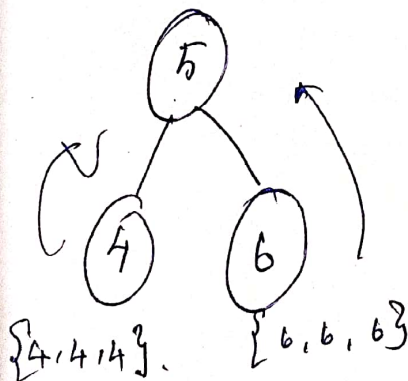
→ Condition:

left max val < root val ++

root val < right min val

$2 < 4$ ++ $4 < 4$ ✗

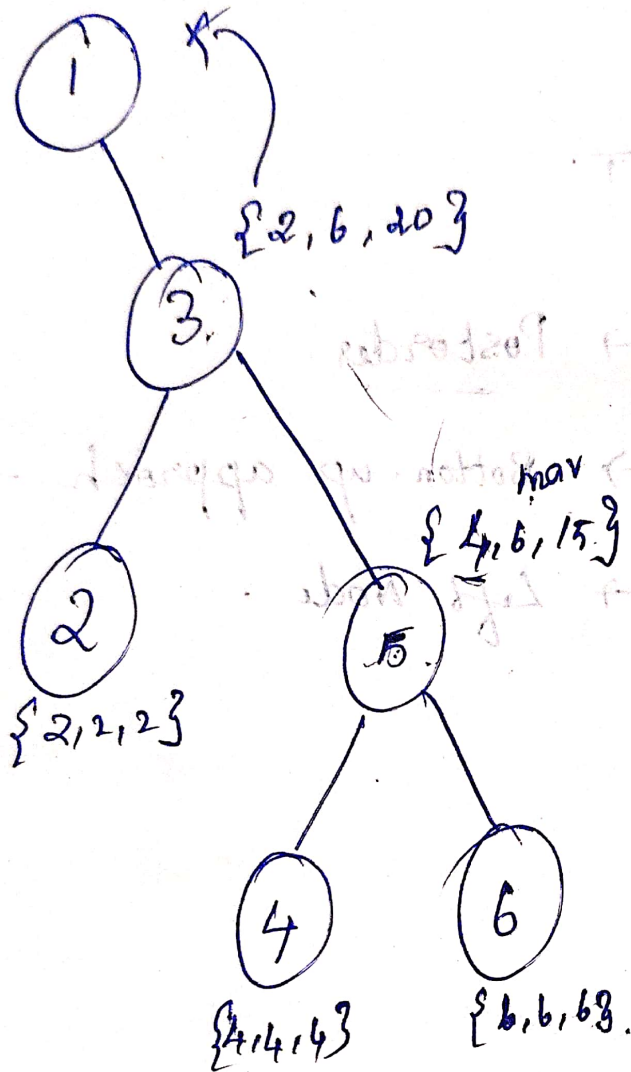
Sum = ~~12~~
 → duplicate is not allowed



~~4 < 5~~ ++ $5 < 6$ ✓

Sum = 15

$\{4, 6, 15\}$



$$2 < 3 \quad 1 + 3 < 4$$

$$\text{Sum} = 3 + 2 + 15$$

$$\boxed{\text{Sum} = 20}$$

The root return {2, 6, 20}

Min Node = 2

Max Node = 6

$$\text{Sum} = 20 //$$