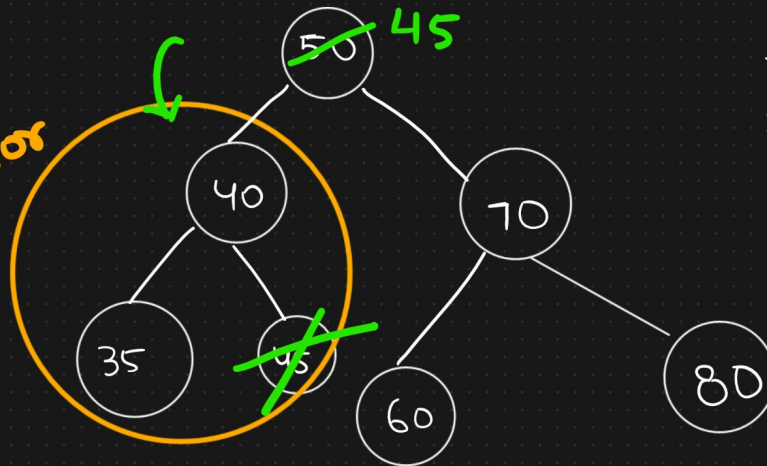


Deletion in BST

Inorder
Predecessor



1) no child

2) 1 child

3) 2 child

Delete (50)

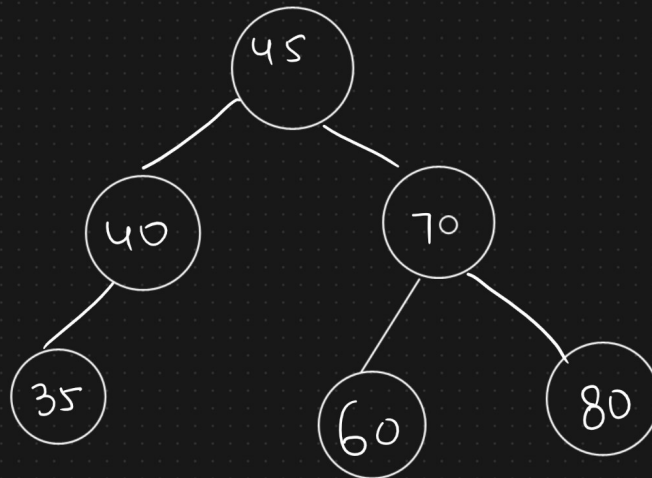
↳ left

subtree

(max
value)

root = 45

↳ root.right = None



Best/average → Balanced Tree

$\Theta(\log n)$

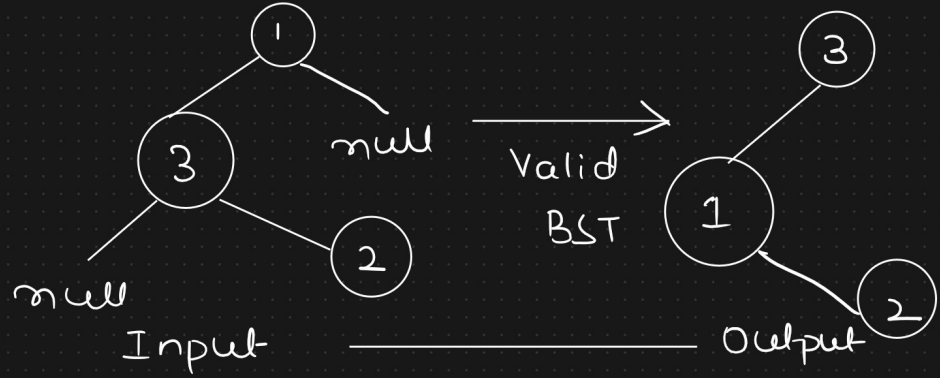
Worst → Imbalanced
Tree

$\Theta(n)$

Recover

BST

Problem 1

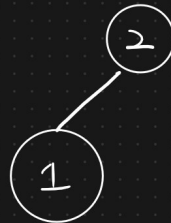


[1, 3, null, null, 2]

[3, 1, null, null, 2]

Problem 2

LCA →



P=2, Q=1

2 → Output