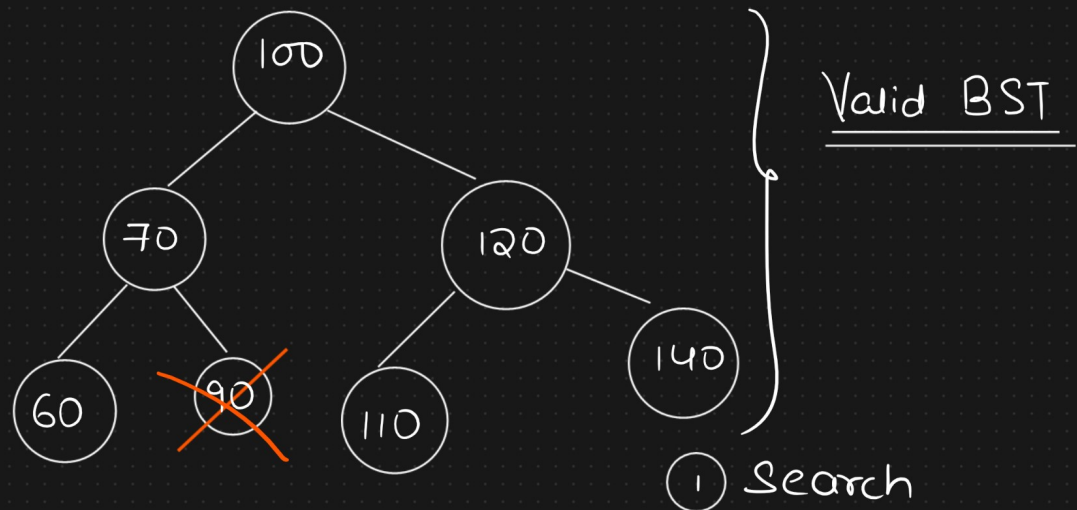


Deletion in BST

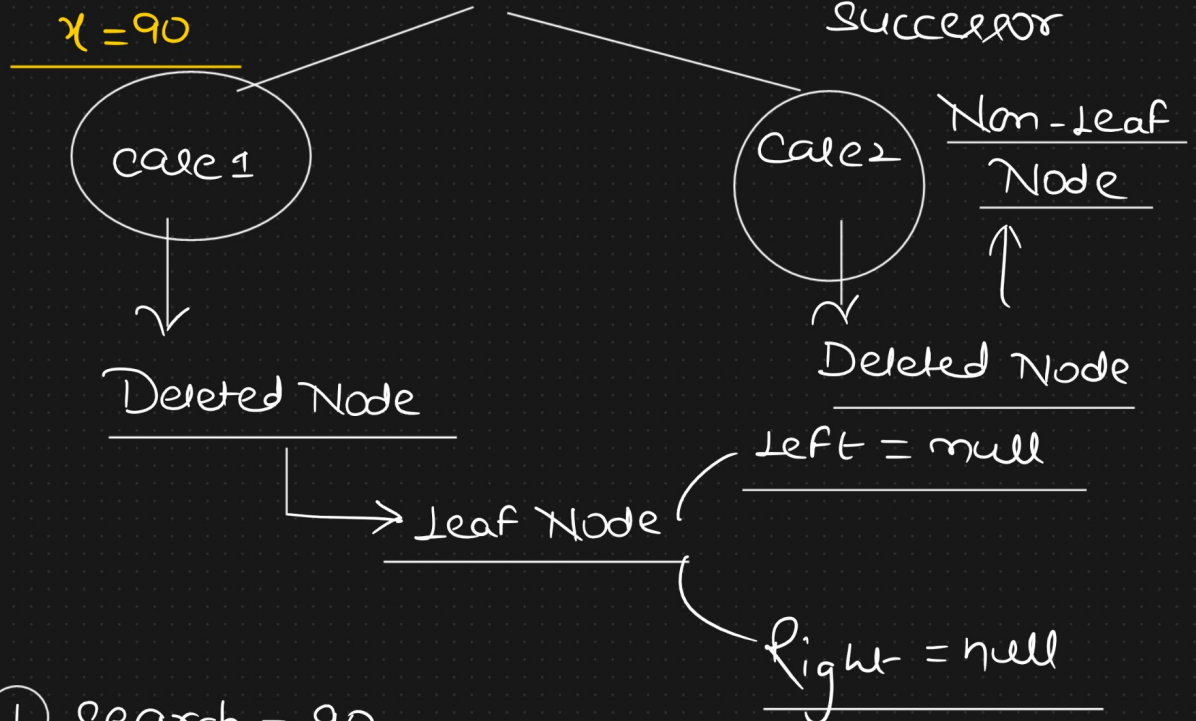
100, 70, 120, 140, 110, 90, 60



Deletion

② Predecessor/

Successor

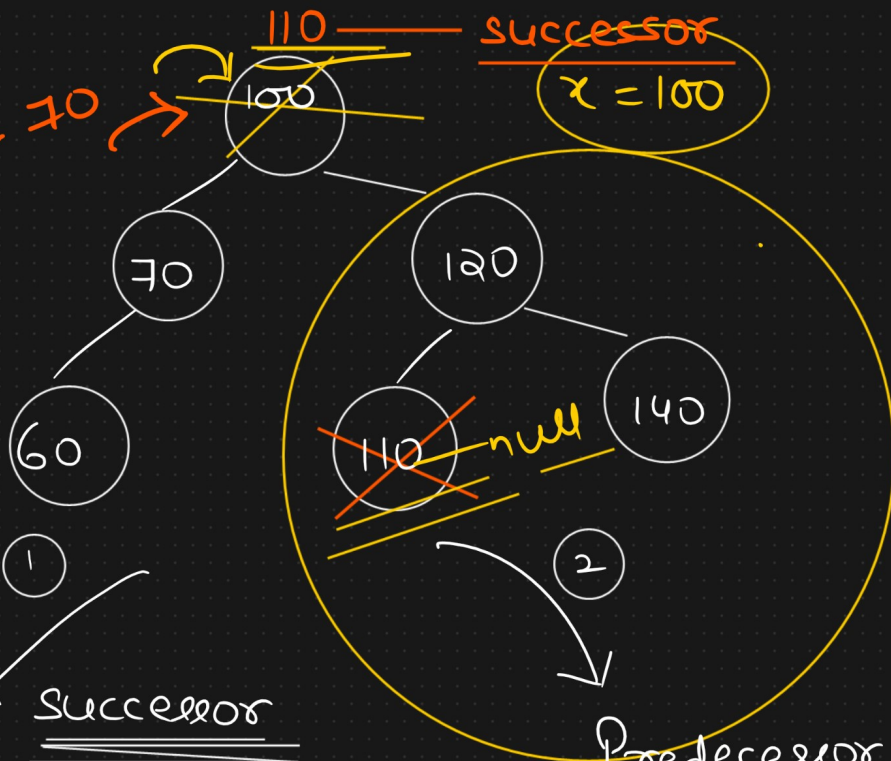


① Search = 90

② Delete that element

Predecessor 70 Successor $x = 100$

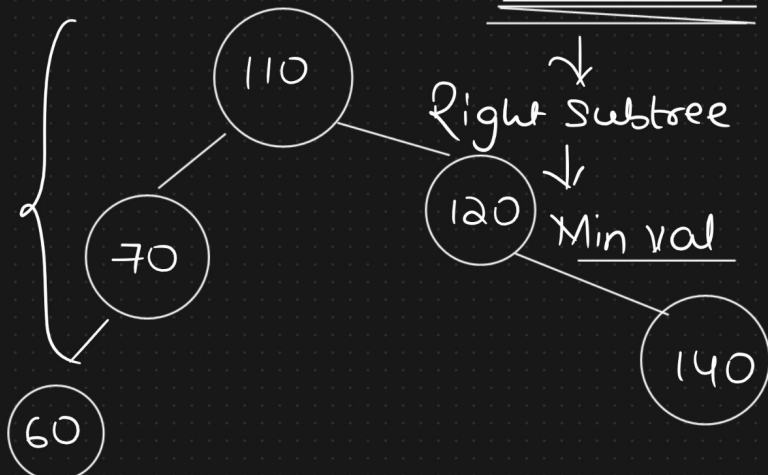
Valid
BST



Valid BST

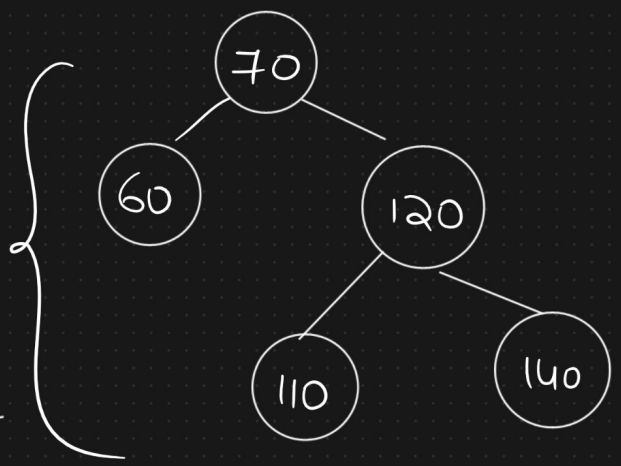
Successor

Predecessor



Left Subtree
↓
Max val

Valid
BST



complexity
analysis { Time complexity $\rightarrow O(n)$
 Space complexity $\rightarrow O(n)$