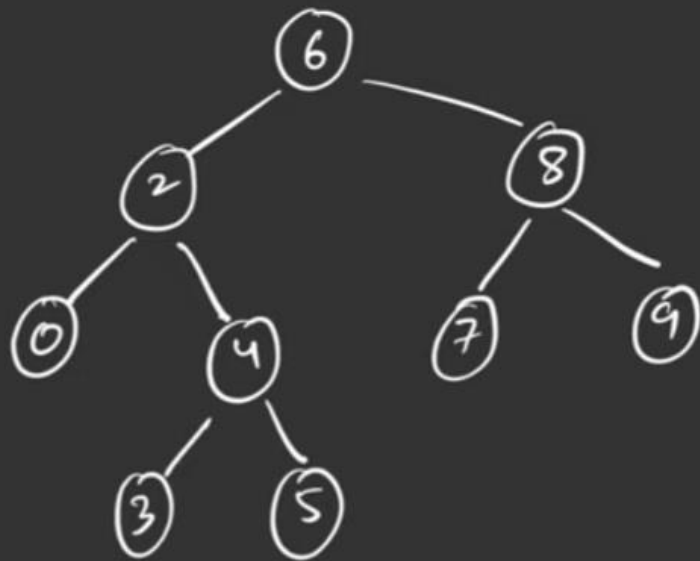
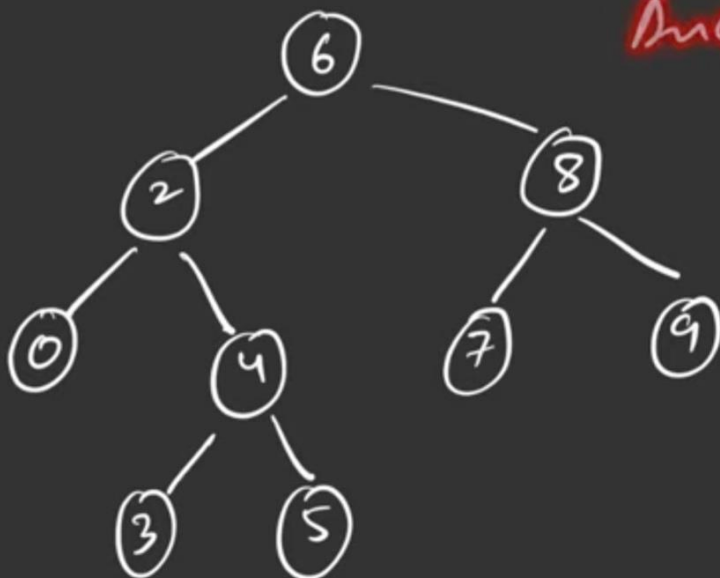


## LCA in BST



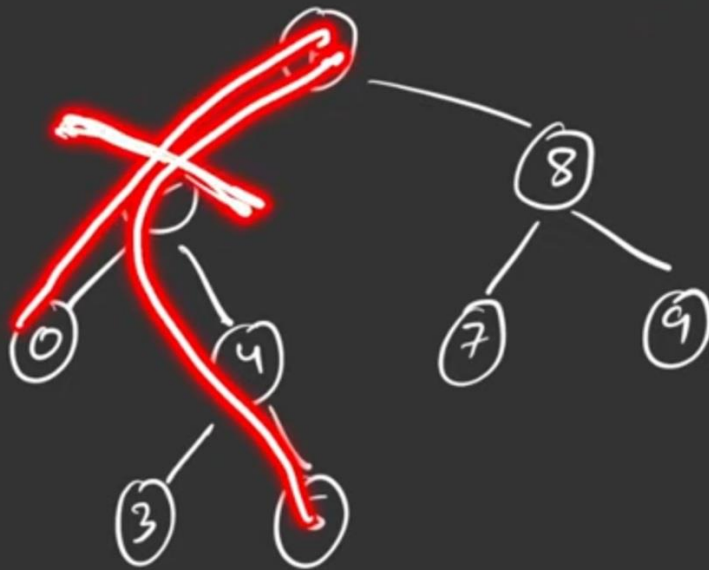
## LCA in BST

Lowest Common  
Ancestor



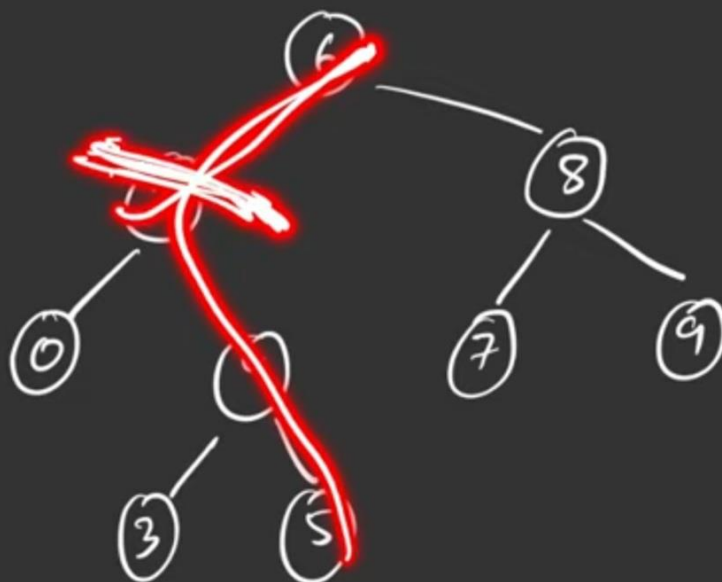
LCA in BST

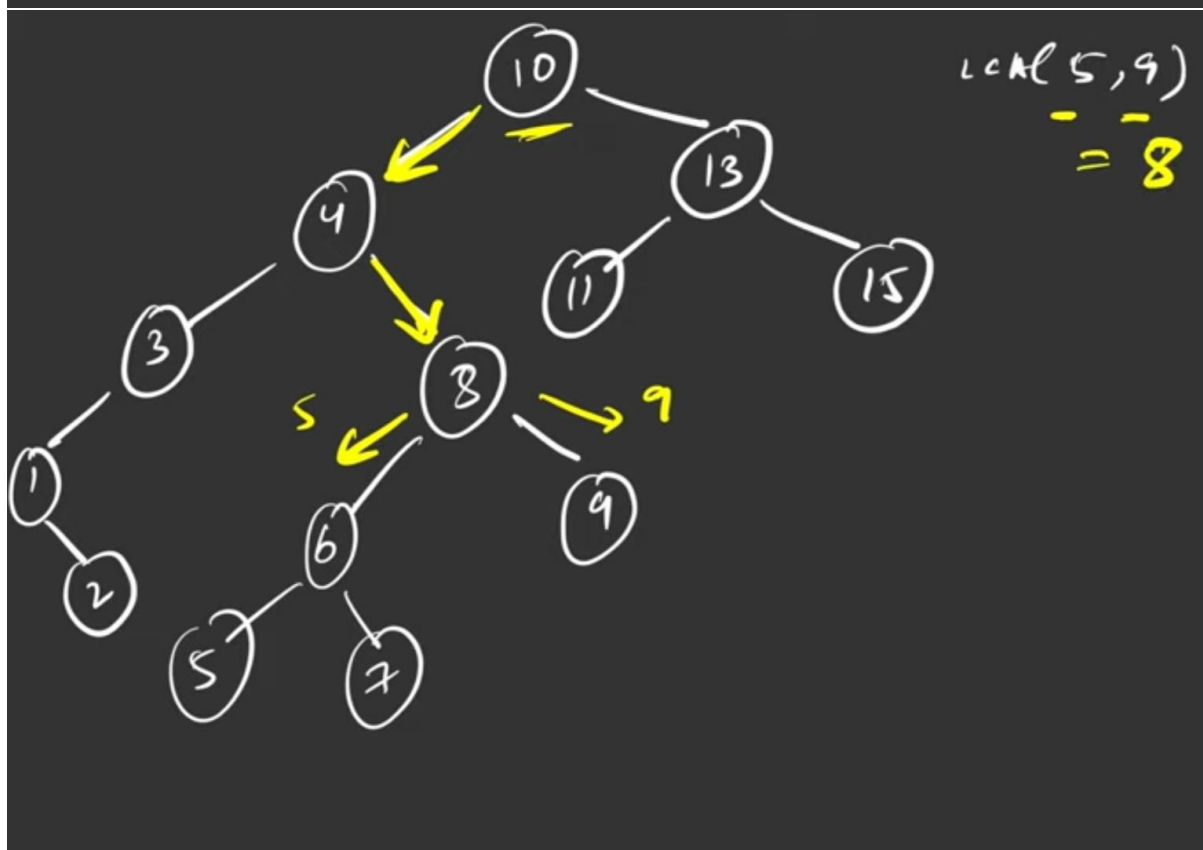
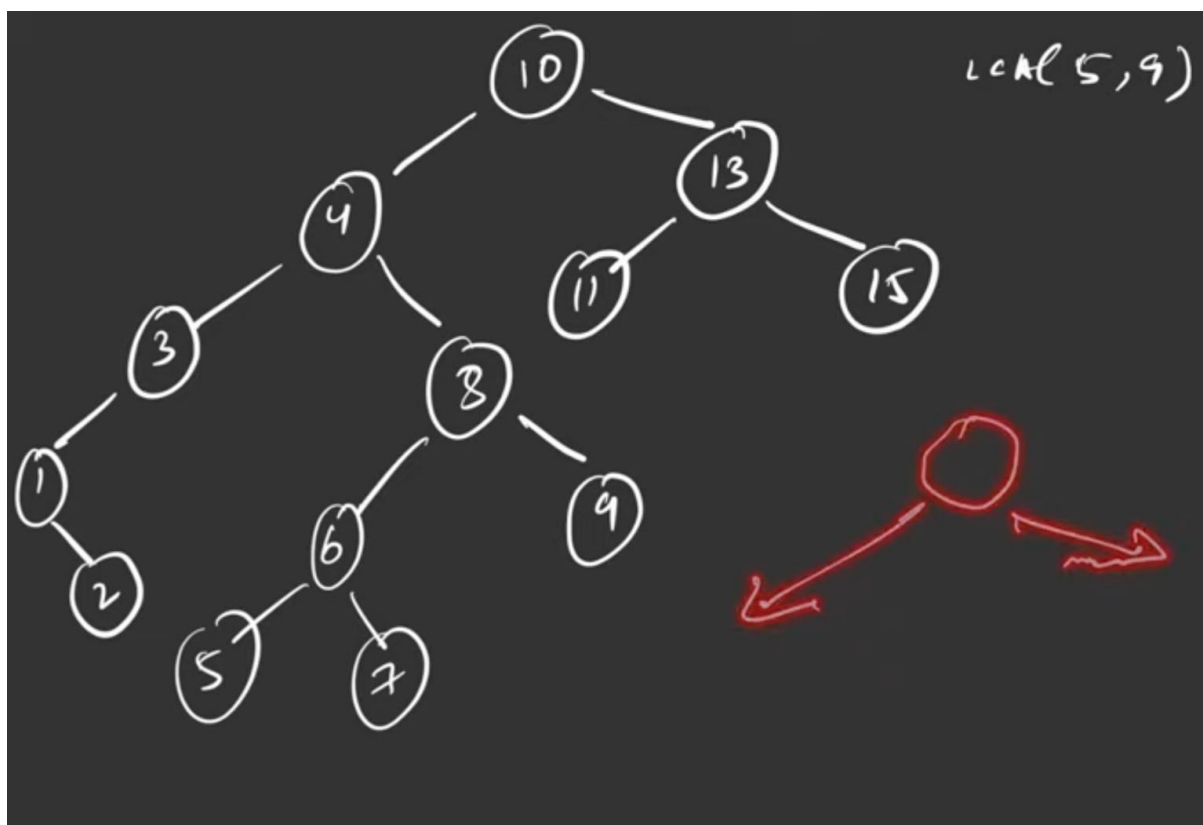
$LCA(5, 0)$

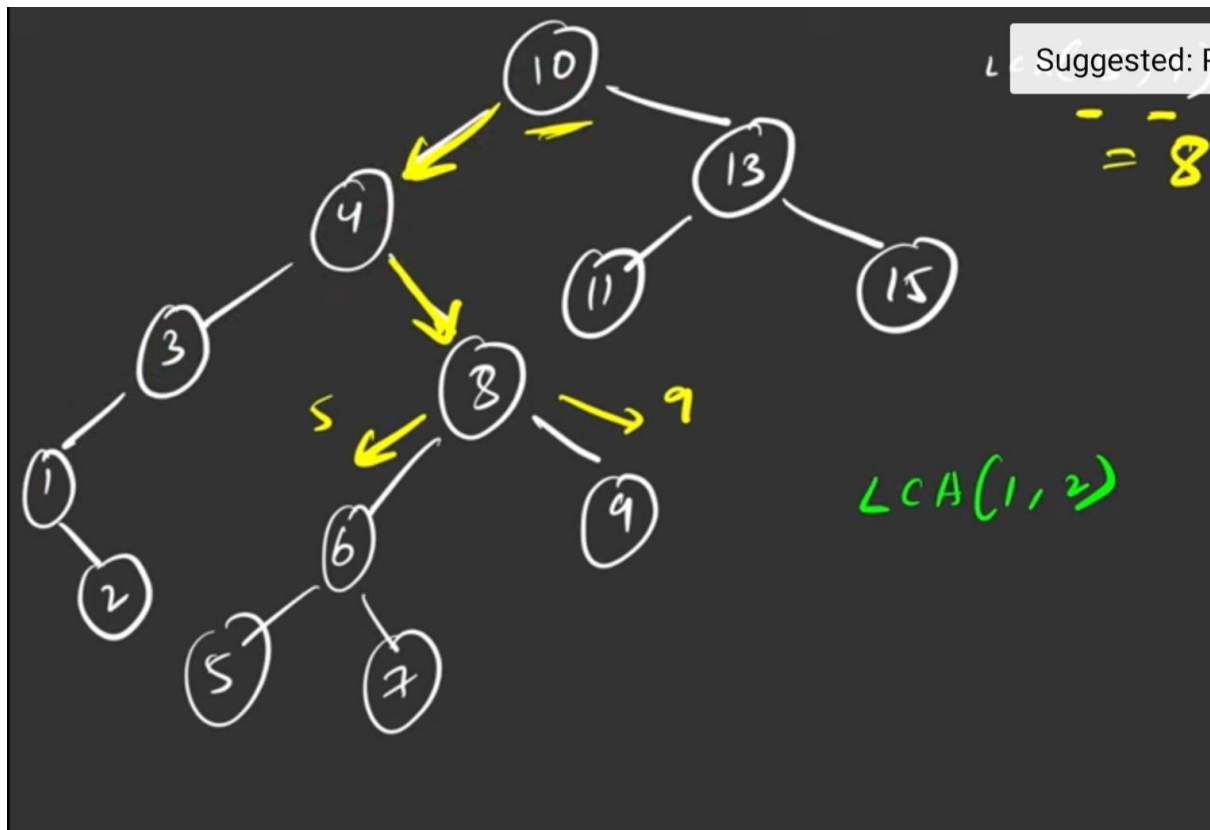


LCA in BST

$LCA(2, 5)$







```

class Solution {
public:
    TreeNode lowestCommonAncestor(TreeNode root, TreeNode p, TreeNode q) {
        if(root == null) return null;
        int curr = root.val;
        if(curr < p.val && curr < q.val) {
            return lowestCommonAncestor(root.right, p, q);
        }
        if(curr > p.val && curr > q.val) {
            return lowestCommonAncestor(root.left, p, q);
        }
        return root;
    }
}

```