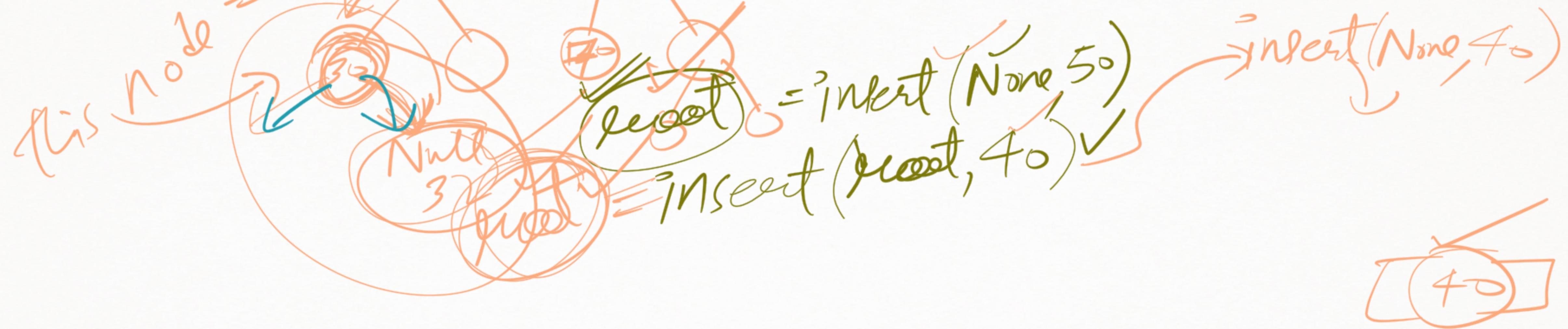
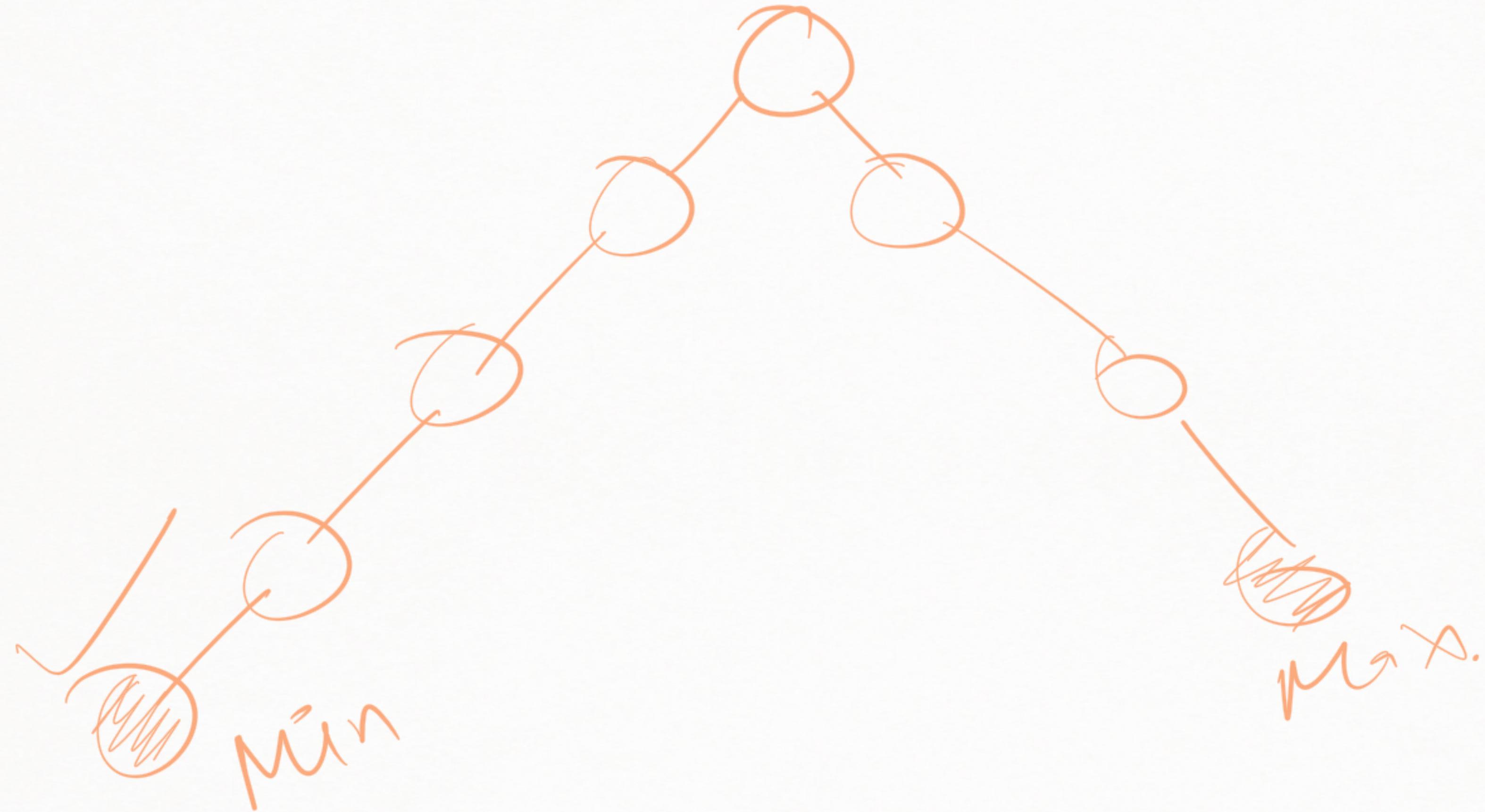


```
def insert(node,data):
    # empty tree
    if node is None:
        return Node(data)
    if data <= node.data:
        node.left = insert(node.left,data)
    else:
        node.right = insert(node.right,data)
    return node
```





```

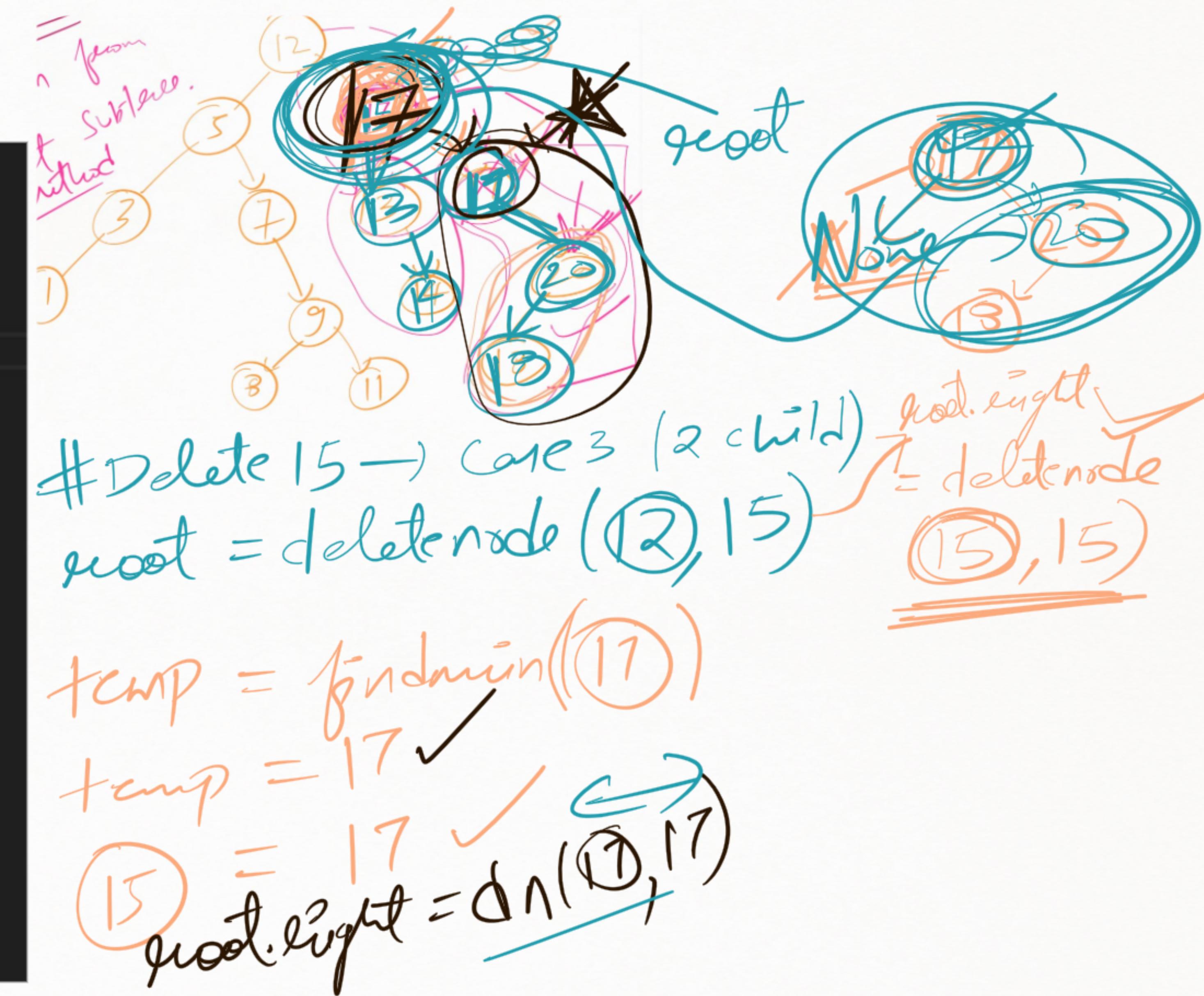
def deletenode(root,data):
    if data < root.data: X
        root.left = deletenode(root.left,data)
    elif data > root.data: X
        root.right = deletenode(root.right,data)
    else: ✓
        # case 1 and case 2
        if root.left is None: X
            temp = root.right
            root = None
            return temp # why return temp?

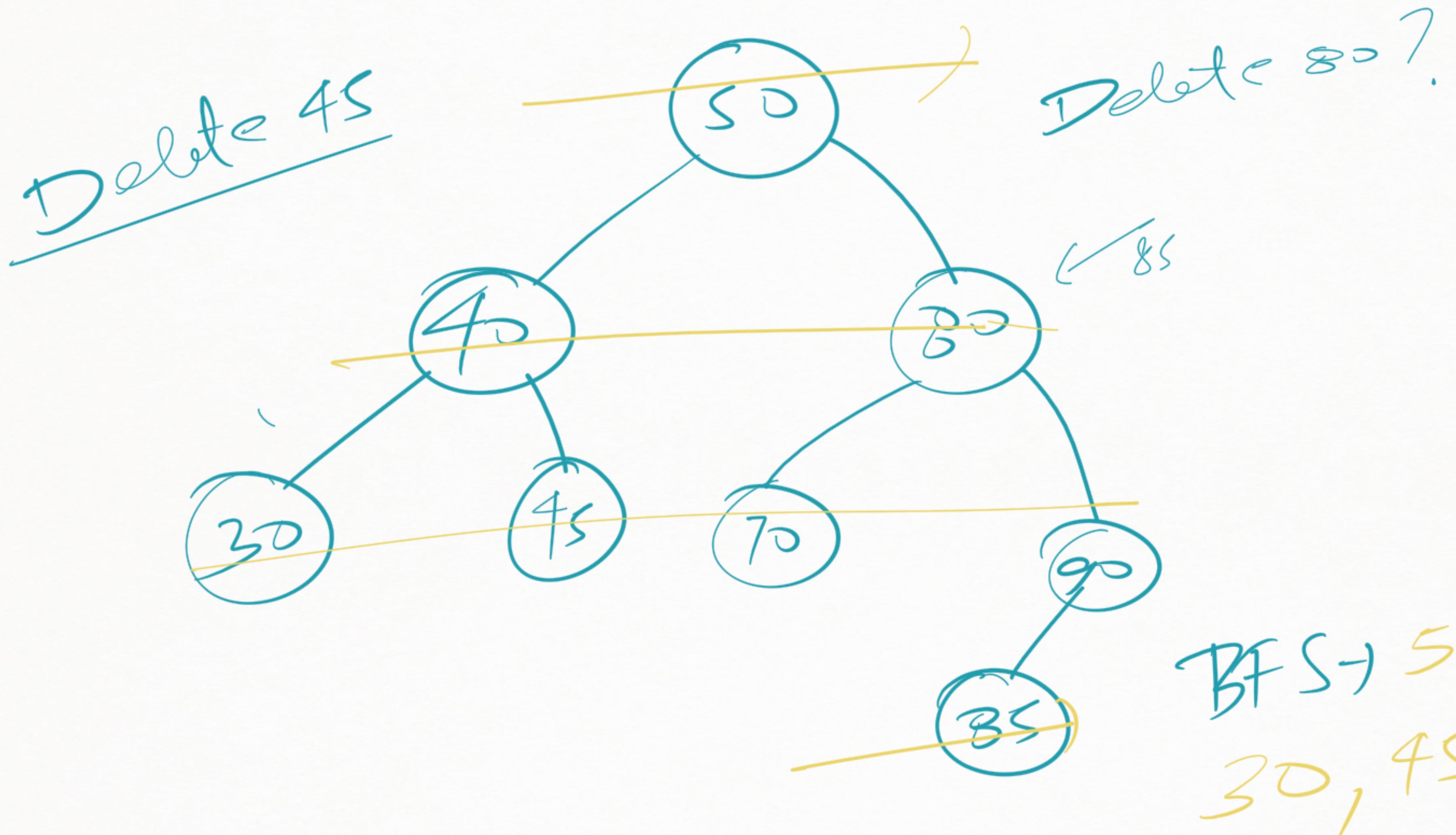
        elif root.right is None: X
            temp = root.left
            root = None
            return temp

        temp = findmin(root.right)
        root.data = temp.data
        root.right = deletenode(root.right,temp.data)

    return root ✓

```





BFS → 50, 40, 80  
30, 45, 70, 90, 85

