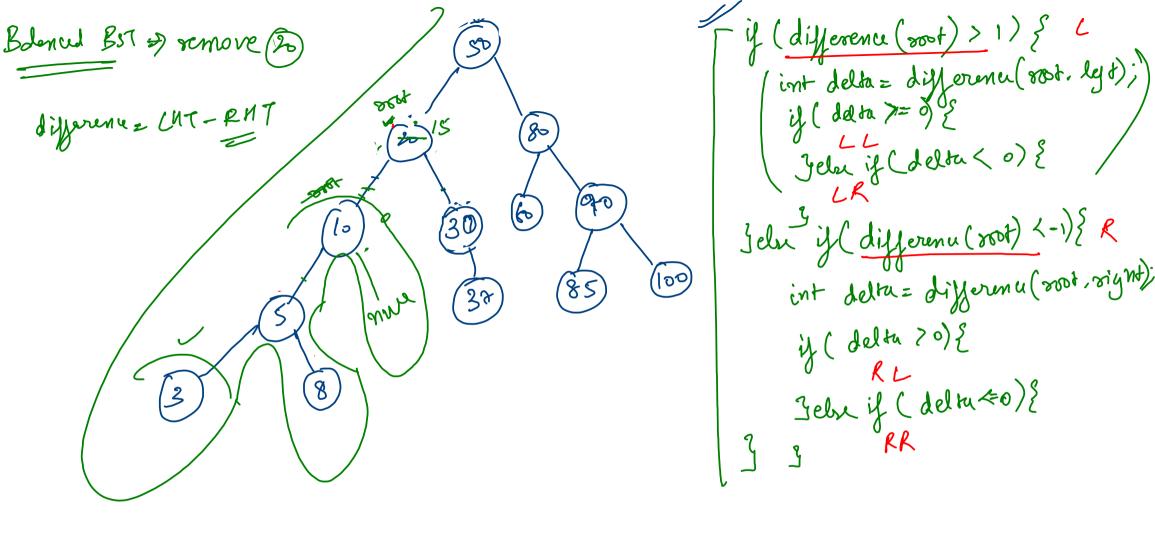
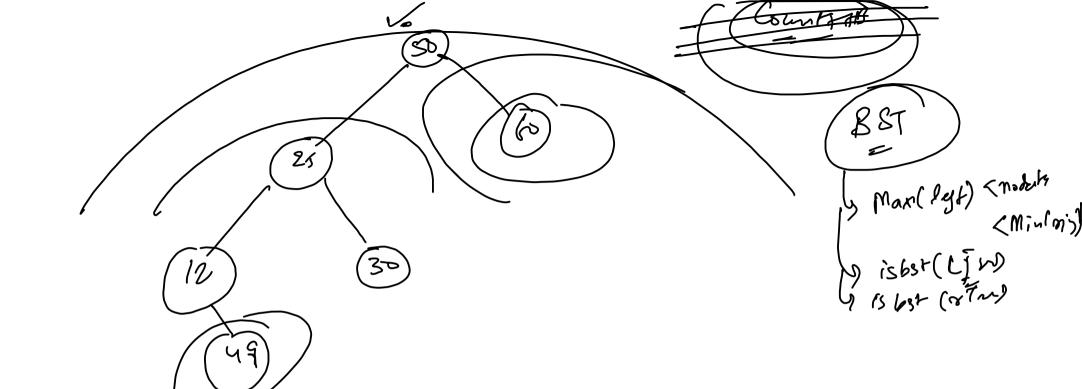


BST -> Insert ->

diff = LAT - RAF if (data < root. legt) ELL "I eln if (data ? oot, lyt)}





A nation is at a brink of <u>war & only</u> way is to prevent it <u>by dectecting</u> all enemies within a mile radius. Remember a whole lot of casualities will be at your hands if any of the enemy remains undetected.

Well to conclude ... everything is upto you now , will the war break out or you will be able to prevent it ?.

you will be given location (central location) of a enemy look t & your task is to find number of enemy lookouts in a given distance radius so that our nation's special forces subdues them before they make the move.

Note the given facts about your mission :

- M. The rooted binary tree will be provided as input.
 - 2. central location name of enemy lookout will also be provided.
- 3. task is to find number of enemy lookouts in a given distance(d) radius
- 5. traveling an edge means 1 unit distance has been travelled.

```
printKLevelsDown(list.get(0),k);
```

```
for(int idx = 1; idx < list.size(); idx++){
    countOfEnemyLookout++; // 9
    int remDist = k - idx;
    Node curr = list.get(idx);
    Node prev = list.get(idx-1);
    if(remDist == 0){
        // System.out.println(curr.locName);
        break;
    }else{
        if(curr.left == prev){
            printKlevelsDown(curr.right , remDist-1);
        }else if(curr.right == prev){
            printKLevelsDown(curr.left , remDist-1);
        }
}</pre>
```

```
public static void printKLevelsDown(Node node, int k){
    if(node == null){
        return;
    }
    if(k == 0){
        // System.out.println(node.locName);
        countOfEnemyLookout++;
        return;
    }
    // System.out.println(node.locName);
    countOfEnemyLookout++;
    printKLevelsDown(node.left,k-1);
    printKLevelsDown(node.right,k-1);
}
```

