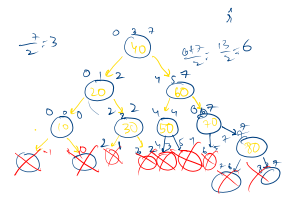
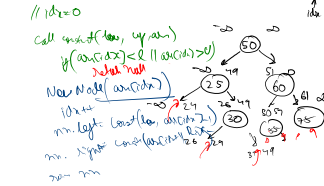


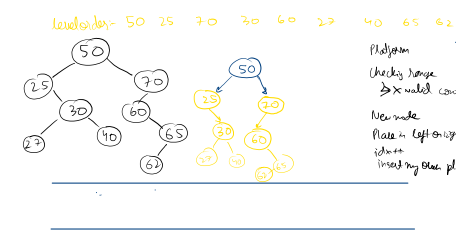
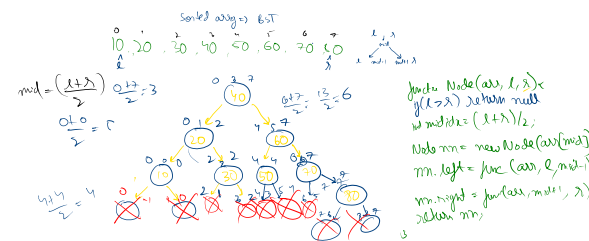
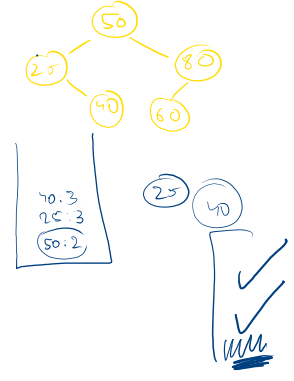
→ preorder: 50 25 30 60 55 75



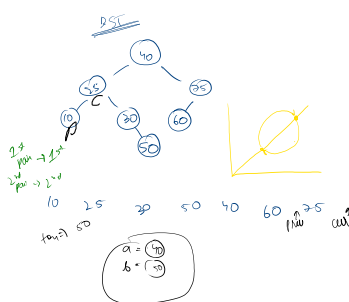
```

public static TreeNode getInorder(TreeNode root) {
    while (root != null) {
        // if (root.left != null) {
        //     root = root.left;
        // } else {
        //     // this is the first time we visiting this person
        //     // preorder work
        //     top.add(root.val);
        //     root = root.right;
        // }
        // if (root.right != null) {
        //     root = root.right;
        // } else {
        //     // this is the second time we visiting this person
        //     // inorder work
        //     top.add(root.val);
        //     root = root.left;
        // }
        // if (root.left != null) {
        //     root = root.left;
        // } else {
        //     // post order work
        //     return root.val;
        // }
    }
    return null;
}

```



$w(i, n)$



25 40

→ Cost for levels: 10.75
→ Iter DFS: 11.15
→ Recur BST: 11.35

curr = getNextInorder(st)
while (curr != null) {
 sys.out.println(curr.val);
 curr = getNextInorder(st);
}

