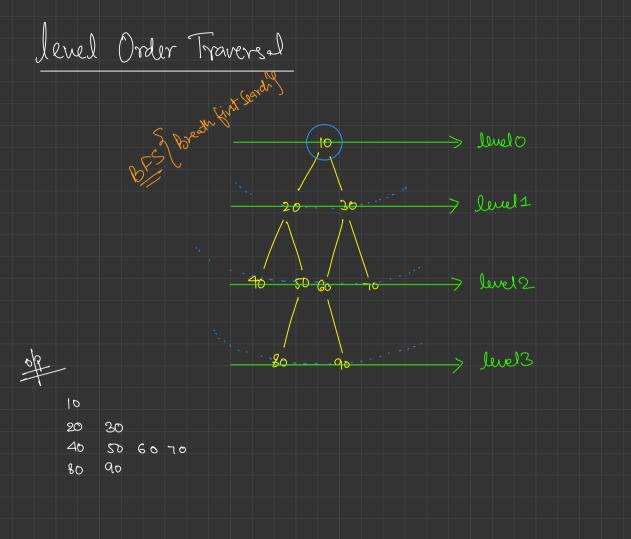


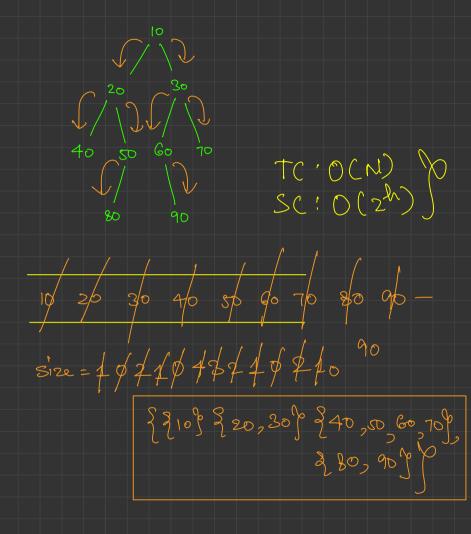
	Traversal on Binary Tree	2S
\bigcap	1) Pre-order 2) M-order 3) Post-order	4) level order traversal
0	2) m-erder	
l	3 Post-order	

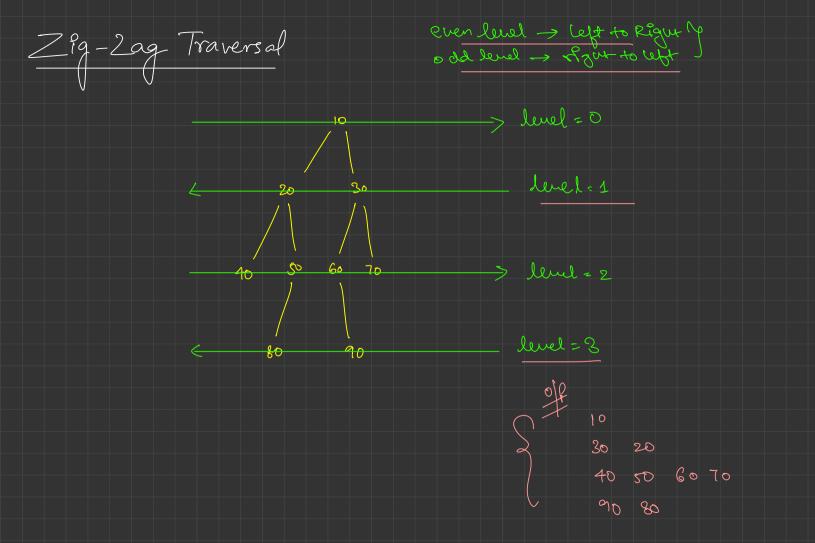


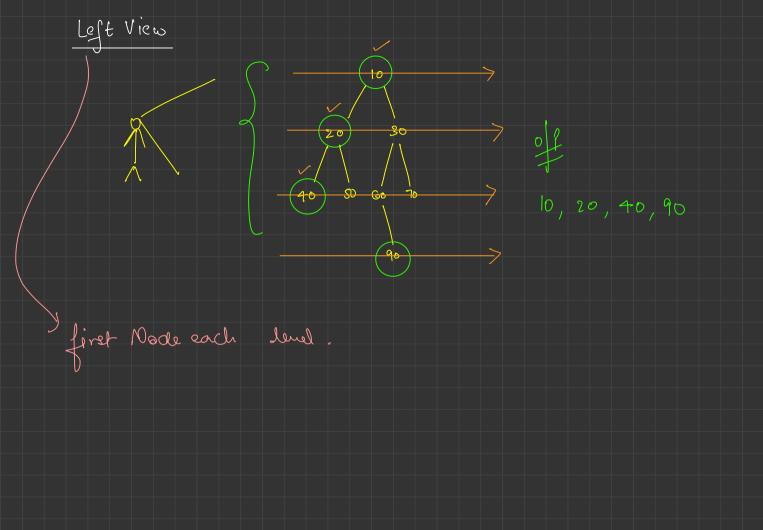


40 50 60 70 80 90 Queue < Tree Node 7 que = new Array Deque < >() que add (root); level = 0; while (que. size()] = 0) int size = que size(); while (size -- >0) Tree Node mode = Oyre remove(); print (mode val); 9.f (onode left) = null) que add(mode left); et (200 gr 2, dr.). level ++, being (NC).

```
public List<List<Integer>>> levelOrder(TreeNode root) {
   List<List<Integer>>> lo = new ArrayList<>();
   if (root == null) {
        return lo;
   Queue<TreeNode> que = new ArrayDeque<>();
 vaue.add(root);
   while (que.size() != 0) {
       int size = que.size();
       List<Integer> currLevel = new ArrayList<>();
       while (size-->0) {
            TreeNode rnode = que.remove():
            currLevel.add(rnode.val);
            if (rnode.left != null) {
                que.add(rnode.left);
            if (rnode.right != null) {
                que.add(rnode.right);
        lo.add(currLevel);
    return lo:
```

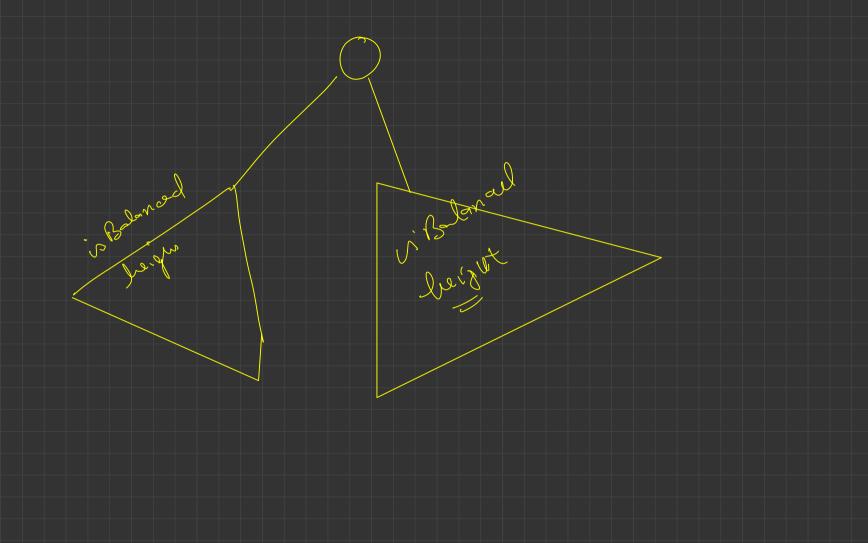


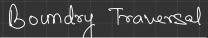




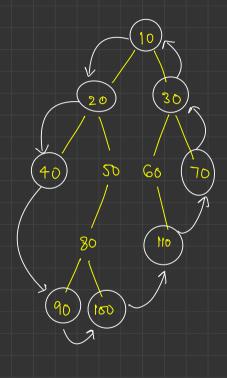
Balanced Brong tree $|lh-rh| \leq 1$) 7 to tell is a node is balanced. when each node is balanced!

y 8'm bolanced, left is bolanced ngur is bolanced, 30



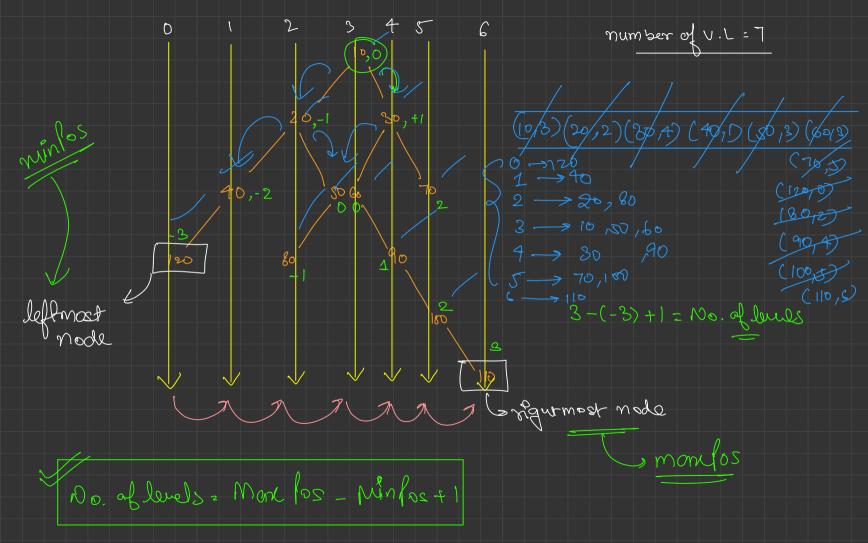


left wall of bottom well of regular all



{10,20,40,90,150,110,70,80}

Vertical Order Traversal s 4 -5D (1) calc no of restical levels



> grue person with lowest vo L. y vo. L. is some then give person with smaller value.

