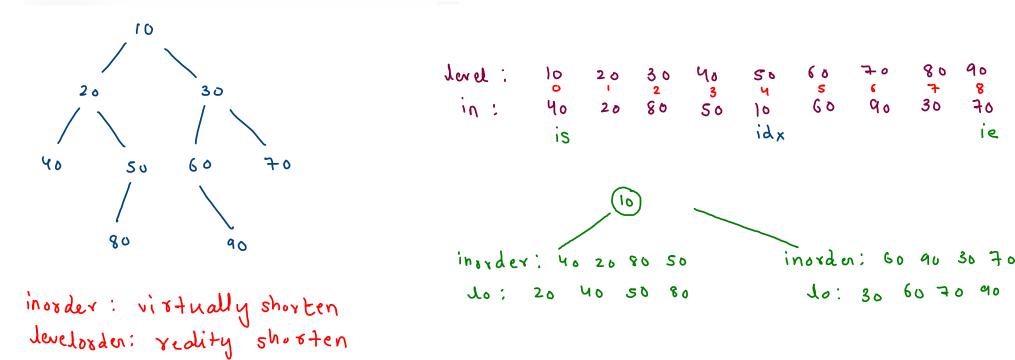
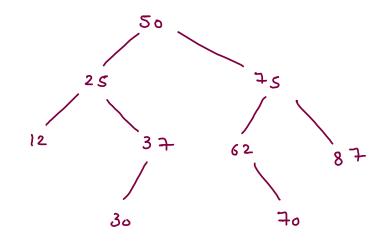
## Construct Binary Tree From Inorder And Levelorder Traversal



(left and right sub-tree element are not in continous)

```
Node helper(int[]inorder,int[]level,int is,int ie) {
   if(is > ie) {
                                                             Level:
       return null;
                                                                                                           4
                                                                                                    50
                                                                                                           30
                                                                                             10
                                                                an:
                                                                            20
                                                                                    40
   Node node = new Node(level[0]);
                                                                                             idx
   int idx = map.get(node.data);
                                                                            is
                                                                                                            ie
   int colse = idx - is;
   int corse = ie - idx;
   int[]llo = new int[colse];
   int[]rlo = new int[corse];
                                                                                                        (10)
   segregateLevelOrder(llo,rlo,level,idx);
                                                                            20 40
   node.left = helper(inorder,llo,is,idx-1);
   node.right = helper(inorder,rlo,idx+1,ie);
                                                                  in =
                                                                            20,40
                                                                                                                                10 =
   return node;
                                                                          20
void segregateLevelOrder(int[]llo,int[]rlo,int[]level,int idx) {
    int j = 0;
    int k = 0;
    for(int i=1; i < level.length;i++) {</pre>
        if(map.get(level[i]) < idx) {</pre>
           //belongs to left-substree
           llo[j++] = level[i];
       else {
           //belongs to right-subtree
           rlo[k++] = level[i];
```

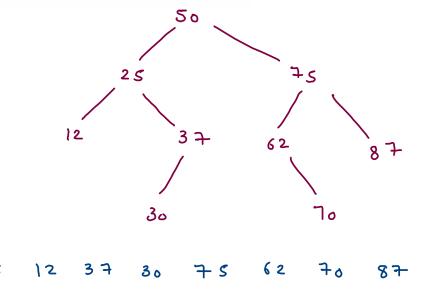




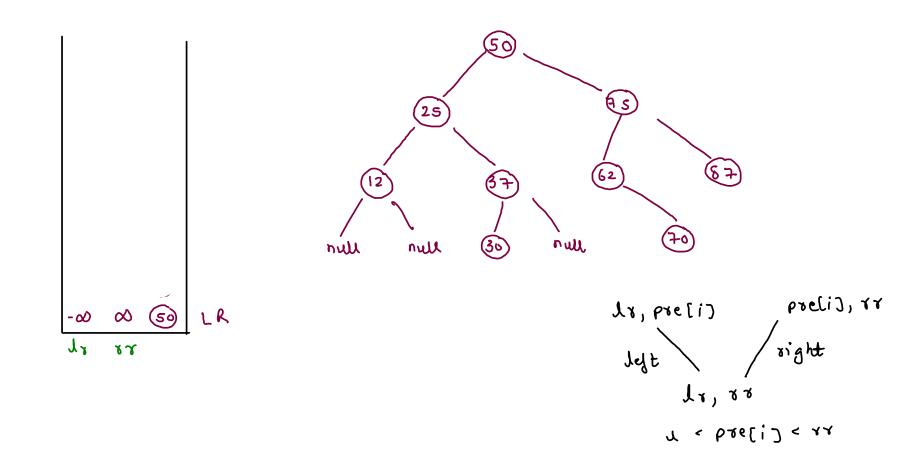
12 25, 30, 37, 50, 62, 70, 75, 87, bi 10 mid hi

10 25, 30, 10 20, hi = 8, m=4

1008. Construct Binary Search Tree from Preorder Traversal



pre: 50 25 12 37 30 75 62 70 87



## Construct BST from Postorder □

