Height of BTree
Max(left, right)+1

Size of Tree

```
if(root==null){
    return 0;
}
left = func(root.left)
right = func(root.right)
return left + right + 1
```

Nodes in left + Nodes in Right + 1

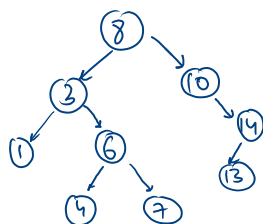List all the leaf Nodes of Btree

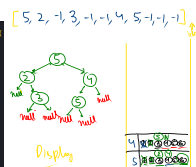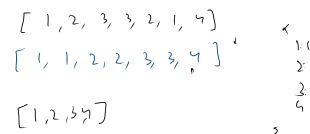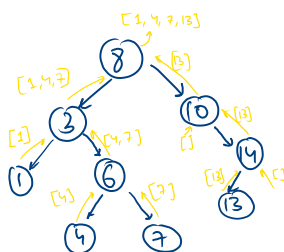[4, 7, 13]

numbers[]

```
int idx = 0;
function constructTree(arr) : TreeNode | null{
    if(arr[idx] == -1){
        idx++;
        return null;
    }
    let me = new TreeNode(arr[idx]);
    idx++;
    let leftChild = constructTree(arr);
    let rightChild = constructTree(arr);
    me.left = leftChild;
    me.right = rightChild;
    return me;
}
```
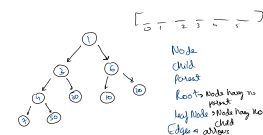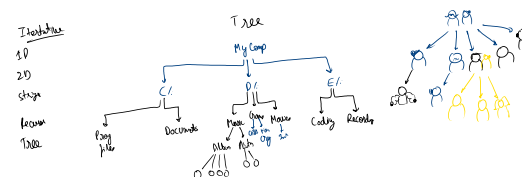
5, 2, -1, 3, -1, -1, 4, 5, -1, -1, -1

Display

[1, 2, 3, 3, 2, 1, 4]
[1, 1, 2, 2, 3, 3, 4]
[1, 2, 3, 4]

Pre
left
in
right
post

DFS

Tree

My Comp

Node
Child
Parent
Root → Node hany No parent
Leaf Node → Node hany No child
Edge → arrows

Binary Tree children <= 2

pre
left
in
right
post

DFS