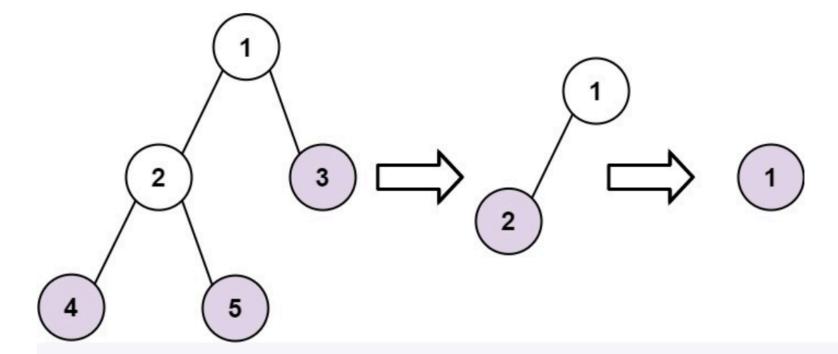
# 366. Find Leaves of Binary Tree

Given the root of a binary tree, collect a tree's nodes as if you were doing this:

- Collect all the leaf nodes.
- Remove all the leaf nodes.
- Repeat until the tree is empty.

### Example 1:



Input: root = [1,2,3,4,5]
Output: [[4,5,3],[2],[1]]

Explanation:

[[3,5,4],[2],[1]] and [[3,4,5],[2],[1]] are also considered correct answers since per each level it does not matter the order on which elements are returned.

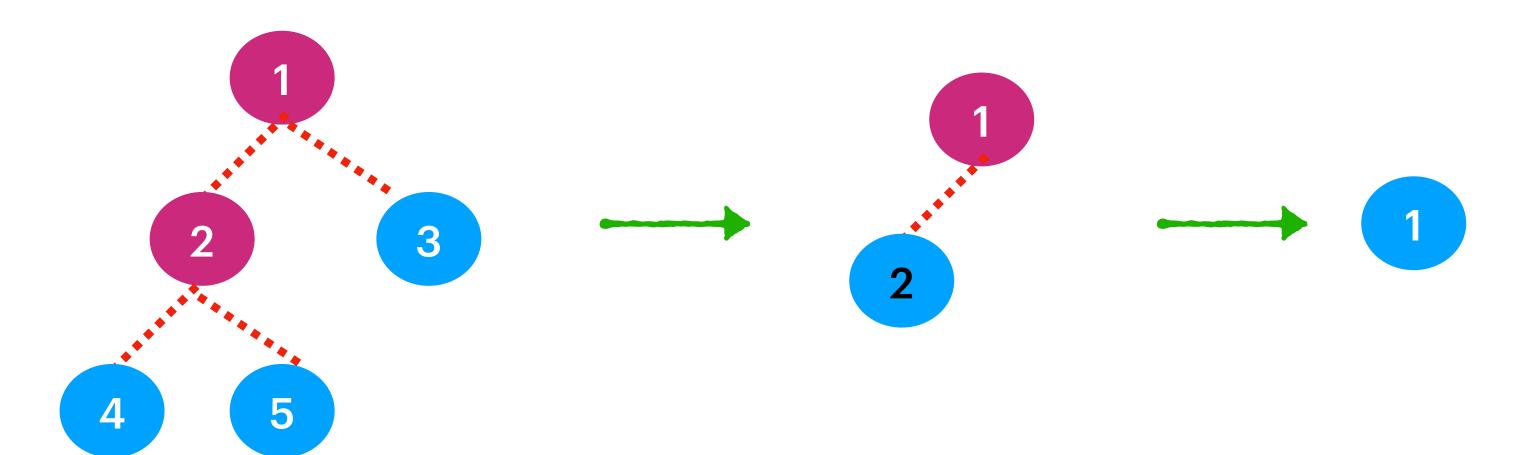
# Example 2:

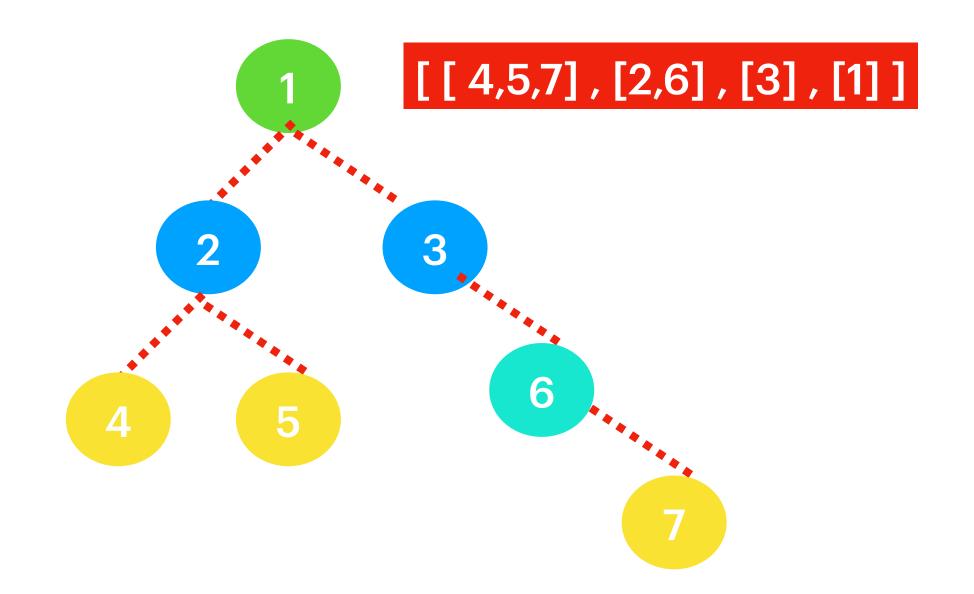
```
Input: root = [1]
Output: [[1]]
```

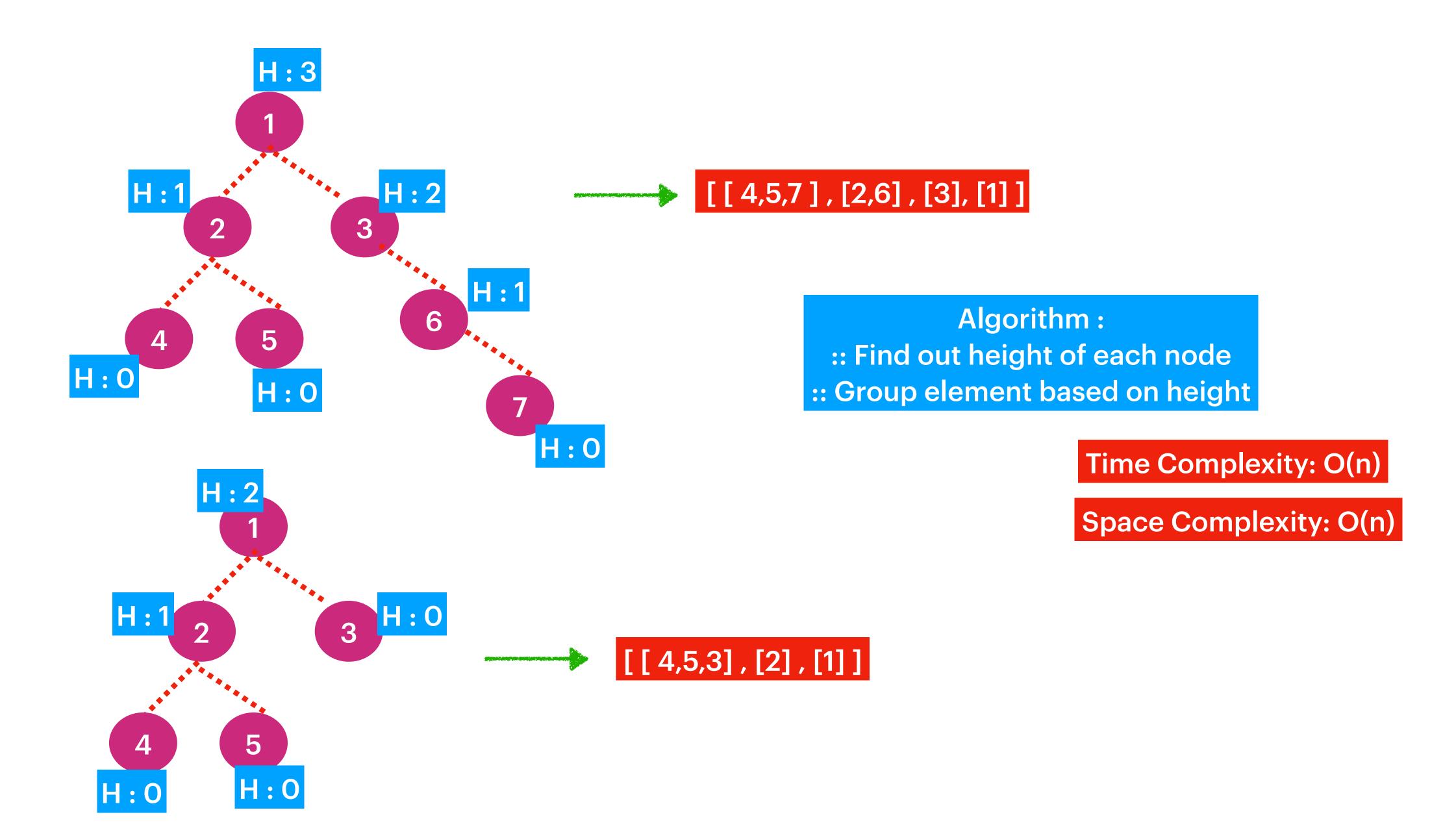
## **Constraints:**

- The number of nodes in the tree is in the range [1, 100].
- -100 <= Node.val <= 100

# [[4,5,3],[2],[1]]







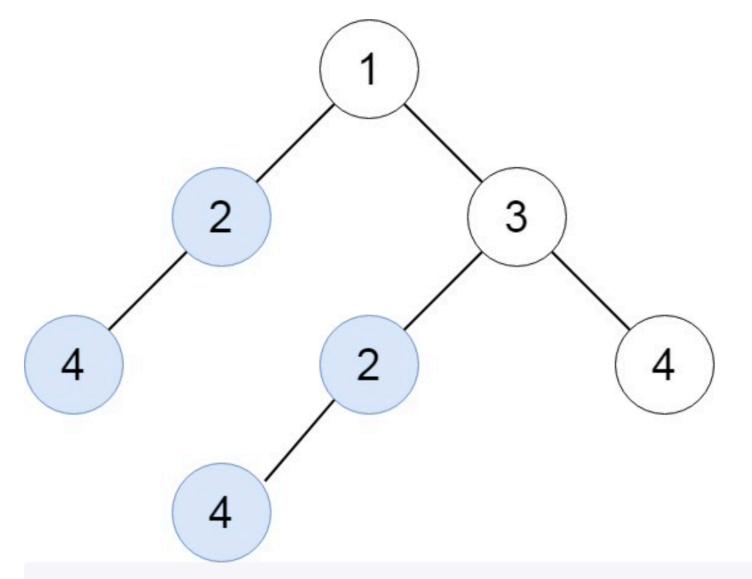
# 652. Find Duplicate Subtrees

Given the root of a binary tree, return all duplicate subtrees.

For each kind of duplicate subtrees, you only need to return the root node of any **one** of them.

Two trees are **duplicate** if they have the **same structure** with the **same node values**.

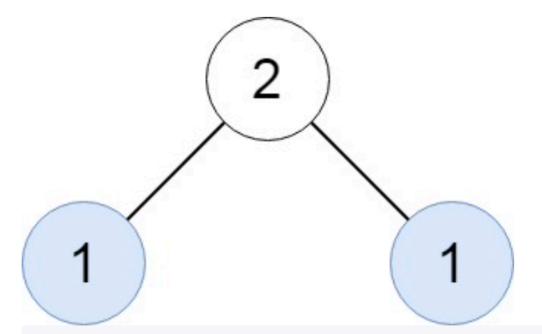
### Example 1:



Input: root = [1,2,3,4,null,2,4,null,null,4]

**Output:** [[2,4],[4]]

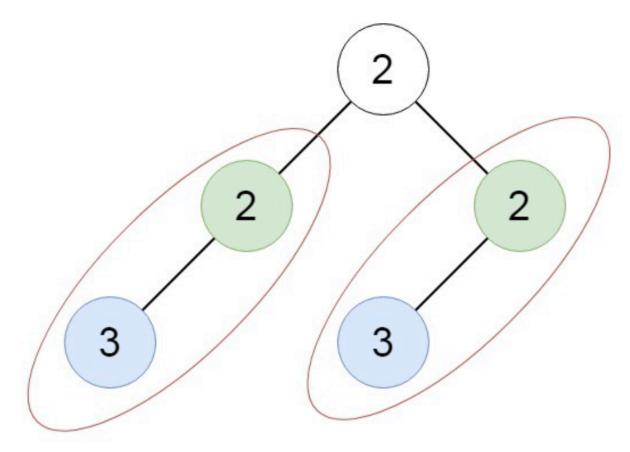
## Example 2:



**Input:** root = [2,1,1]

**Output:** [[1]]

### Example 3:



**Input:** root = [2,2,2,3,null,3,null]

**Output:** [[2,3],[3]]

#### **Constraints:**

- The number of the nodes in the tree will be in the range [1, 10<sup>4</sup>]
- -200 <= Node.val <= 200

