Duplicate subtree in Binary Tree

Given a binary tree, find out whether it contains a duplicate sub-tree of size two or more, or not.

Input:

1

/\

23

/\\

452

/\

45

Output: 1

Explanation:

2

/\

45

is the duplicate sub-tree.

Example 2:

Input:

1

/\

23

Output: 0

Explanation: There is no duplicate sub-tree

in the given binary tree.

```
def dupSub(self, root):
    # code here
    res = {}
    self.helper(root,res)
    for ele in res.keys():
        if res[ele]>1:
            return 1
    return 0
```

```
if root is None:
    return "#"

if root.left is root.right:
    return ""

lt = self.helper(root.left,res)

rt = self.helper(root.right,res)

temp = str(root.data)+lt+rt

if temp in res:
    res[temp] = res[temp]+1

else:
    res[temp] = 1

return temp
```