

129. Sum Root to Leaf Numbers

You are given the `root` of a binary tree containing digits from `0` to `9` only.

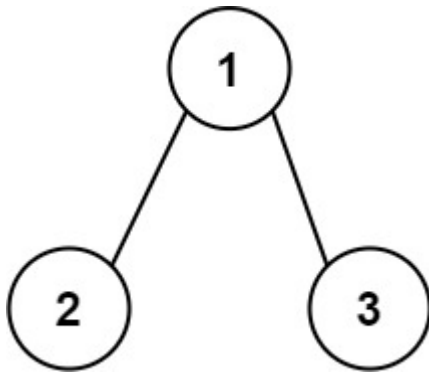
Each root-to-leaf path in the tree represents a number.

- For example, the root-to-leaf path `1 -> 2 -> 3` represents the number `123`.

Return *the total sum of all root-to-leaf numbers*.

A **leaf** node is a node with no children.

Example 1:



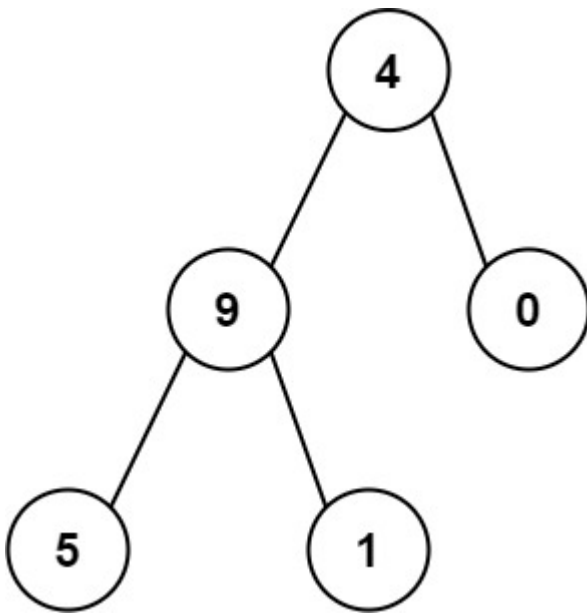
Input: `root = [1,2,3]`

Output: `25`

Explanation:

The root-to-leaf path `1->2` represents the number `12`. The root-to-leaf path `1->3` represents the number `13`. Therefore, `sum = 12 + 13 = 25`.

Example 2:



Input: root = [4,9,0,5,1]

Output: 1026

Explanation:

The root-to-leaf path 4->9->5 represents the number 495. The root-to-leaf path 4->9->1 represents the number 491. The root-to-leaf path 4->0 represents the number 40. Therefore, sum = 495 + 491 + 40 = 1026

```
def sumNumbers(self, root: TreeNode) -> int:
    temp = ""
    ans = [0]
    self.helper(root, temp, ans)
    return ans[0]

def helper(self, root, temp, ans):
    if root is None:
        return
    temp = temp+str(root.val)
    if root.left is root.right:
        ans[0]=ans[0]+int(temp)
    self.helper(root.left, temp, ans)
    self.helper(root.right, temp, ans)
```