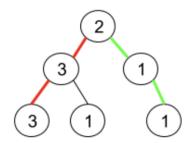


Given a binary tree where node values are digits from 1 to 9. A path in the binary tree is said to be **pseudo-palindromic** if at least one permutation of the node values in the path is a palindrome.

Return the number of **pseudo-palindromic** paths going from the root node to leaf nodes.

Example 1:



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

Output: 2

Explanation: The figure above represents the given binary tree. There are three paths going from the root node to leaf nodes: the red path [2,3,3], the green path [2,1,1], and the path [2,3,1]. Among these paths only red path and green path are pseudo-palindromic paths since the red path [2.3.3] can

```
6 2.7K □ ○ 37 ☆ ②
/**
* Definition for a binary tree node.
* public class TreeNode {
      public var val: Int
      public var left: TreeNode?
      public var right: TreeNode?
      public init() { self.val = 0; self.left = nil; self.right =
nil; }
      public init( val: Int) { self.val = val; self.left = nil;
self.right = nil; }
      public init(_ val: Int, _ left: TreeNode?, _ right:
TreeNode?) {
          self.val = val
          self.left = left
          self.right = right
      }
* }
*/
class Solution {
```

```
func pseudoPalindromicPaths (_ root: TreeNode?) -> Int {
    guard let root = root else {
       return 0
    }
    func dfs(_ root: TreeNode, _ path:[Int:Int]) -> Int {
        if(root.left == nil && root.right == nil) {
            var p = path
            p[root.val,default:0]+=1
            var countOdd = 0
            for (i, v) in p {
                if(v % 2 != 0){
                   countOdd = countOdd + 1
                }
            }
            return countOdd > 1 ? 0 : 1
        }
        var p = path
        p[root.val,default:0]+=1
        var 1 = 0, r = 0
        if let left = root.left {
           1 = dfs(left,p)
        if let right = root.right {
           r = dfs(right, p)
        }
       return 1 + r
    }
   return dfs(root,[:])
}
```

}