Leetcode Problem 1. (Easy)

Same Tree

Given the roots of two binary trees p and q, write a function to check if they are the same or not.

Two binary trees are considered the same if they are structurally identical, and the nodes have the same value.

**Example 1:**

**Input:** p = [1,2,3], q = [1,2,3]

**Output:** true

**Example 2:**

**Input:** p = [1,2], q = [1,null,2]

**Output:** false

**Example 3:**

**Input:** p = [1,2,1], q = [1,1,2]

**Output:** false

**Constraints:**

* The number of nodes in both trees is in the range [0, 100].
* -104 <= Node.val <= 104

Link: <https://leetcode.com/problems/same-tree/>

class Solution {

public boolean isSameTree(TreeNode p, TreeNode q) {

if (p == null && q == null) {

return true;

} else if (p == null || q == null) {

return false;

} else if (p.val != q.val) {

return false;

} else {

boolean left = isSameTree(p.left, q.left);

boolean right = isSameTree(p.right, q.right);

return left && right;

}

}

}

