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].
- -10^4 <= Node.val <= 10^4

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;
    }
}
}
```