### 100. Same Tree

Given two binary trees, 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:

## Example 2:

## Example 3:

# 【思路】

递归。两棵树按相同的方式遍历,遍历过程中比较树节点,不相同就返回false。

```
* Definition for a binary tree node.
 * struct TreeNode {
      int val;
      TreeNode *left;
      TreeNode *right;
      TreeNode(int x) : val(x), left(NULL), right(NULL) {}
* };
*/
class Solution {
public:
   bool isSameTree(TreeNode* p, TreeNode* q) {
      if(p==NULL && q==NULL) return true;
      if(p==NULL && q!=NULL | | p!=NULL && q==NULL) return false;
      if(p->val != q->val) return false;
      if(!isSameTree(p->left, q->left)) return false;
      if(!isSameTree(p->right, q->right)) return false;
      return true;
   }
};
```