101. Symmetric Tree

Easy 4389 107 Add to List Share

Given a binary tree, check whether it is a mirror of itself (ie, symmetric around its center).

For example, this binary tree `[1,2,2,3,4,4,3]` is symmetric:

```
    1
   / \
  2   2
 / \ / \
3  4 4  3
```

But the following `[1,2,2,null,3,null,3]` is not:

```
   1
  / \
 2   2
  \   \
  3    3
```

Follow up: Solve it both recursively and iteratively.

Accepted 681,185 | Submissions 1,453,017

Seen this question in a real interview before? Yes No


```java
class Solution {
    public boolean isSymmetric(TreeNode root) {
       if (root == null)
            return true;
        return isSameTree(root.left, root.right);
    }

    private static boolean isSameTree(TreeNode p, TreeNode q) {

        if (p == null && q == null)
            return true;
        if (p == null || q == null)
            return false;

        if (p != null && q != null) {
            return (p.val == q.val && isSameTree(p.left, q.right) &&
isSameTree(p.right, q.left));
        }
            return false;
}
    }

```

Your previous code was restored from your local storage. Reset to default

Testcase Run Code Result Debugger

Accepted Runtime: 0 ms

Your input `[1,2,2,3,4,4,3]`

Output `true` Diff

Expected `true`