Same Tree

Try to solve the Same Tree problem.

We'll cover the following

Statement

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're structurally identical and the nodes have the same value.

Constraints:

- The number of nodes in the tree is in the range $[0, 100]$
- $-10^4 \leq$ `node.data` $\leq 10^4$

Examples

Sample example 1

Input

p	3	9	10	NULL	NULL	5	6

q	3	9	10	NULL	NULL	5	6

Output

TRUE

1 of 2

Sample example 2

Input

p	3	9	10	NULL	NULL	5	6

q	3	9	10	NULL	NULL	6	5

Output

FALSE

Understand the problem

Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:

Same Tree

1 Are these two trees the same?

p = [3, 9, 20, NULL, NULL, 15, 7]

q = [3, 9, 20, NULL, NULL, 15, 7]

A) Yes

B) No

Submit Answer

Question 1 of 2
0 attempted

Reset Quiz

Try it yourself

Implement your solution in `main.java` in the following coding playground.

Java

usercode > main.java

```java
import java.util.*;
import ds_v1.BinaryTree.TreeNode;

// Definiton of a binary tree node class
// class TreeNode<T> {
//     T data;
//     TreeNode<T> left;
//     TreeNode<T> right;

//     TreeNode(T data) {
//         this.data = data;
//         this.left = null;
//         this.right = null;
//     }

public class Main{
    public static boolean sameTree(TreeNode<Integer> p, TreeNode<Integer> q) {
      // Your code will replace the placeholder return statement
      return false;
  }
}
```

```
22  }
23
```

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Test Cases | Results

Case 1 | Case 2 | Case 3

Input #1

[9,7,20,3,15]

Input #2

[9,7,20,3,15]

Same Tree

Need a Hint?

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