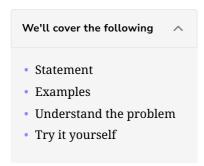
Subtree of Another Tree

Try to solve the Subtree of Another Tree problem.



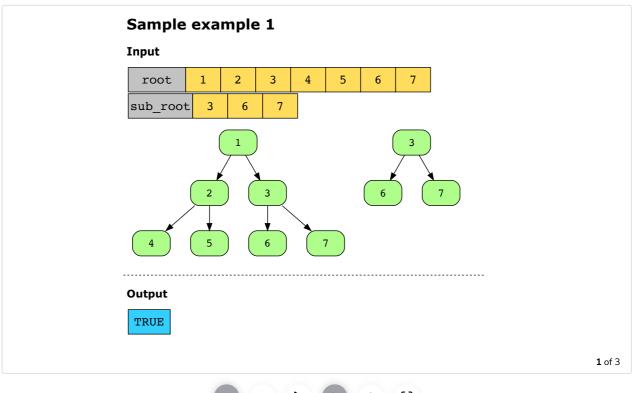
Statement

Given the roots of two binary trees as root and subRoot, return TRUE if there is a subtree of root with the same structure and nodes of subRoot. Otherwise, return FALSE.

Constraints:

- The number of nodes in the root tree is in the range [1, 2000].
- The number of nodes in the $\frac{\text{subRoot}}{\text{tree}}$ is in the range [1, 1000].
- ullet $-10^4 \leq { t root.data} \leq 10^4$
- ullet $-10^4 \leq { t subRoot.data} \leq 10^4$

Examples

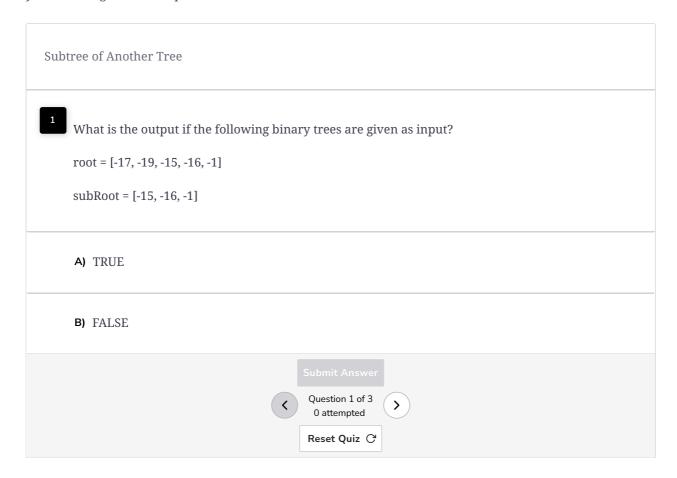








Let's take a moment to make sure you've correctly understood the problem. The quiz below helps you check if you're solving the correct problem:



Try it yourself

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

Note: The binary tree node's class has members **left** and **right** to store references to other nodes, along with the member **data** to hold the node's value.

```
👙 Java
                                                                                                         ■ C
      usercode > main.java
         1 import java.util.*;
         2 import ds_v1.BinaryTree.TreeNode;
         4 // Definiton of a binary tree node class
         5 // class TreeNode<T> {
         6 //
                  T data;
         7 //
                   TreeNode<T> left;
         8 //
                  TreeNode<T> right;
         9
        10 //
                  TreeNode(T data) {
        11 //
                      this.data = data;
        12 //
                       this.left = null;
        13 //
                       this.right = null;
        14 //
        15 // }
\equiv
                                                                                                                    Tτ
        19
                  // your code will replace this placeholder return statement
        20
                  return false;
        21
              }
                                                                                                                    C
        22 }
```

