

572. Subtree of Another Tree

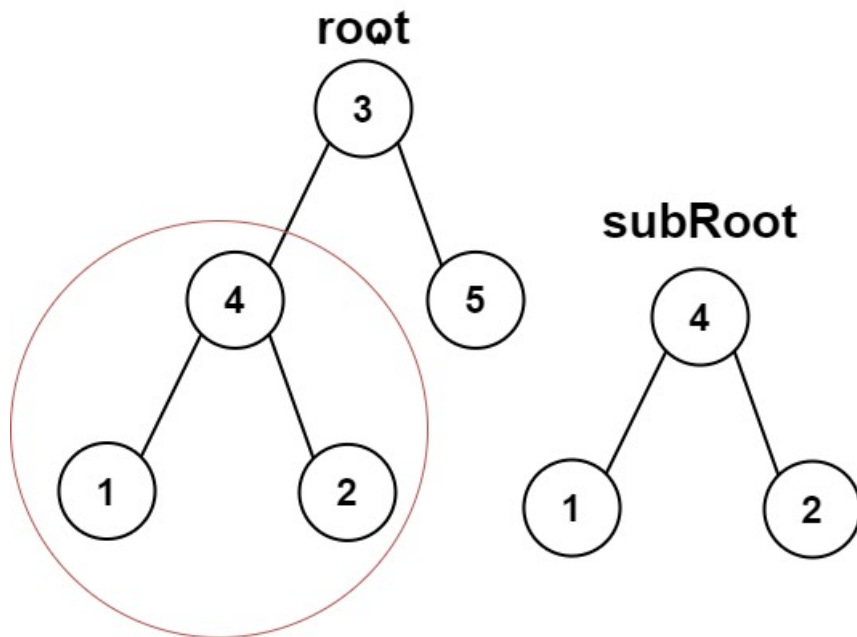
Difficulty : Easy

<https://leetcode.com/problems/subtree-of-another-tree>

Given the roots of two binary trees `root` and `subRoot`, return `true` if there is a subtree of `root` with the same structure and node values of `subRoot` and `false` otherwise.

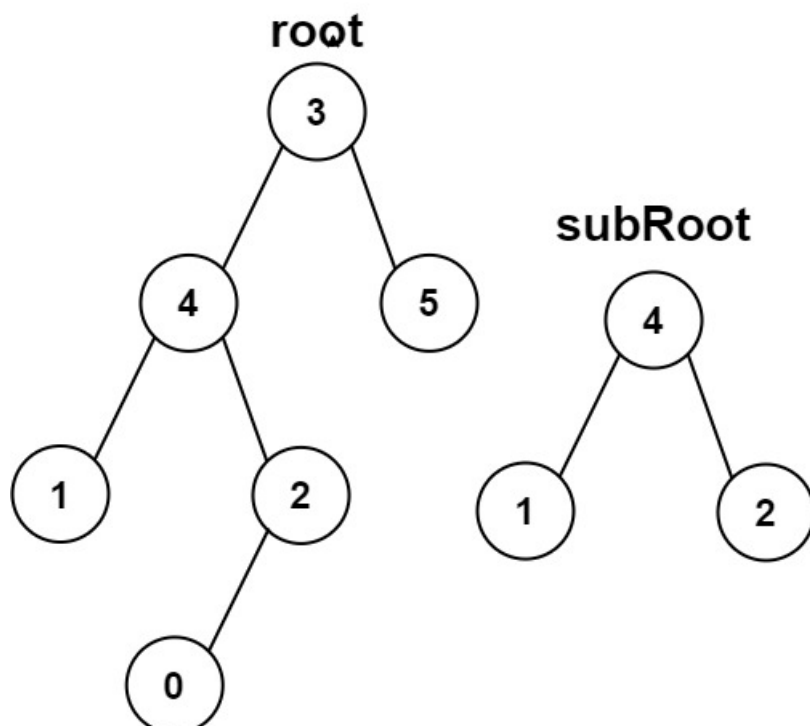
A subtree of a binary tree `tree` is a tree that consists of a node in `tree` and all of this node's descendants. The tree `tree` could also be considered as a subtree of itself.

Example 1:



Input: `root = [3,4,5,1,2]`, `subRoot = [4,1,2]`
Output: `true`

Example 2:



Input: `root = [3,4,5,1,2,null,null,null,null,0]`, `subRoot = [4,1,2]`

Output: `false`

Constraints:

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