Subtree of Another Tree

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/**
 * Definition for a binary tree node.
 * struct TreeNode {
       int val;
       TreeNode *left;
       TreeNode *right;
       TreeNode() : val(0), left(nullptr), right(nullptr) {}
       TreeNode(int x) : val(x), left(nullptr), right(nullptr) {}
       TreeNode(int x, TreeNode *left, TreeNode *right) : val(x),
left(left), right(right) {}
 * };
*/
class Solution {
public:
    bool isSubtree(TreeNode* root, TreeNode* subRoot, int check = 0) {
      if (root == nullptr && subRoot == nullptr) return true;
      if (root == nullptr || subRoot == nullptr) return false;
      if (root->right == nullptr && root->left == nullptr){
        if (subRoot->right == nullptr && subRoot->left == nullptr){
          printf("reached\n");
          return root->val == subRoot->val;
        }
      }
      bool awn = false;
      bool awn1 = false;
      bool awn2 = false;
      bool awn3 = false;
      if (root->val == subRoot->val){
        awn = isSubtree(root->left,subRoot->left,1);
        awn1 = isSubtree(root->right, subRoot->right, 1);
```

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if (!awn && check == 0) awn2 = isSubtree(root->left,subRoot);
if (!awn1 && check == 0) awn3 = isSubtree(root->right,subRoot);
return (awn && awn1) || (awn2 || awn3);
};
```