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951. Flip Equivalent Binary Trees

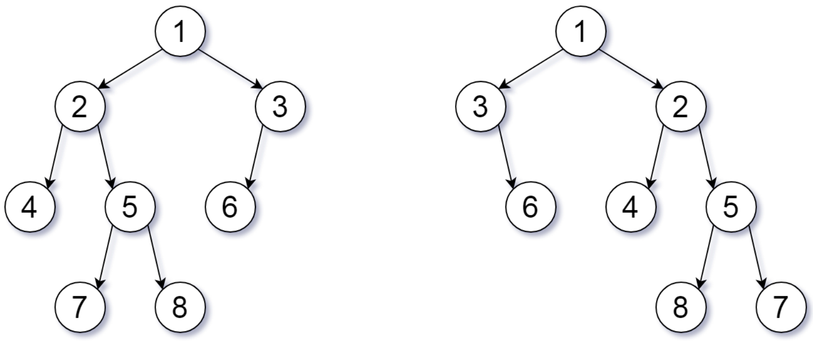
Medium Topics Companies

For a binary tree **T**, we can define a **flip operation** as follows: choose any node, and swap the left and right child subtrees.

A binary tree **X** is *flip equivalent* to a binary tree **Y** if and only if we can make **X** equal to **Y** after some number of flip operations.

Given the roots of two binary trees `root1` and `root2`, return `true` if the two trees are flip equivalent or `false` otherwise.

Example 1:



```
Input: root1 = [1,2,3,4,5,6,null,null,null,7,8], root2 = [1,3,2,null,6,4,5,null,null,null,null,8,7]
Output: true
Explanation: We flipped at nodes with values 1, 3, and 5.
```

Example 2:

```
Input: root1 = [], root2 = []
Output: true
```

Example 3:

```
Input: root1 = [], root2 = [1]
Output: false
```

Constraints:

- The number of nodes in each tree is in the range `[0, 100]`.
- Each tree will have **unique node values** in the range `[0, 99]`.

Seen this question in a real interview before? 1/4

Yes No

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