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Problems

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July LeetCode Challenge!



Description

Solution

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i Ruby

## 1305. All Elements in Two Binary Search Trees

Medium

352

18

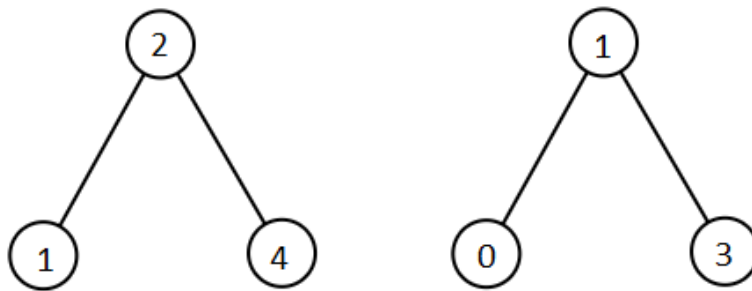
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Given two binary search trees `root1` and `root2`.

Return a list containing *all the integers* from *both trees* sorted in **ascending** order.

### Example 1:



**Input:** `root1 = [2,1,4]`, `root2 = [1,0,3]`

**Output:** `[0,1,1,2,3,4]`

### Example 2:

**Input:** `root1 = [0,-10,10]`, `root2 = [5,1,7,0,2]`

**Output:** `[-10,0,0,1,2,5,7,10]`

### Example 3:

**Input:** `root1 = []`, `root2 = [5,1,7,0,2]`

**Output:** `[0,1,2,5,7]`

### Example 4:

```
1 # Definition for a binary tree node.
2 # class TreeNode
3 #     attr_accessor :val, :left, :right
4 #     def initialize(val)
5 #         @val = val
6 #         @left = left
7 #         @right = right
8 #     end
9 # end
10 # @param {TreeNode} root1
11 # @param {TreeNode} root2
12 # @return {Integer[]}
13 def get_all_elements(root1, root2)
14     # this is o(n) since we are traversing both trees
15     # two pre-order traversal
16     # arrays in o(n) time
17
18 end
```

Problems

Pick One

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Next &gt;

Console

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