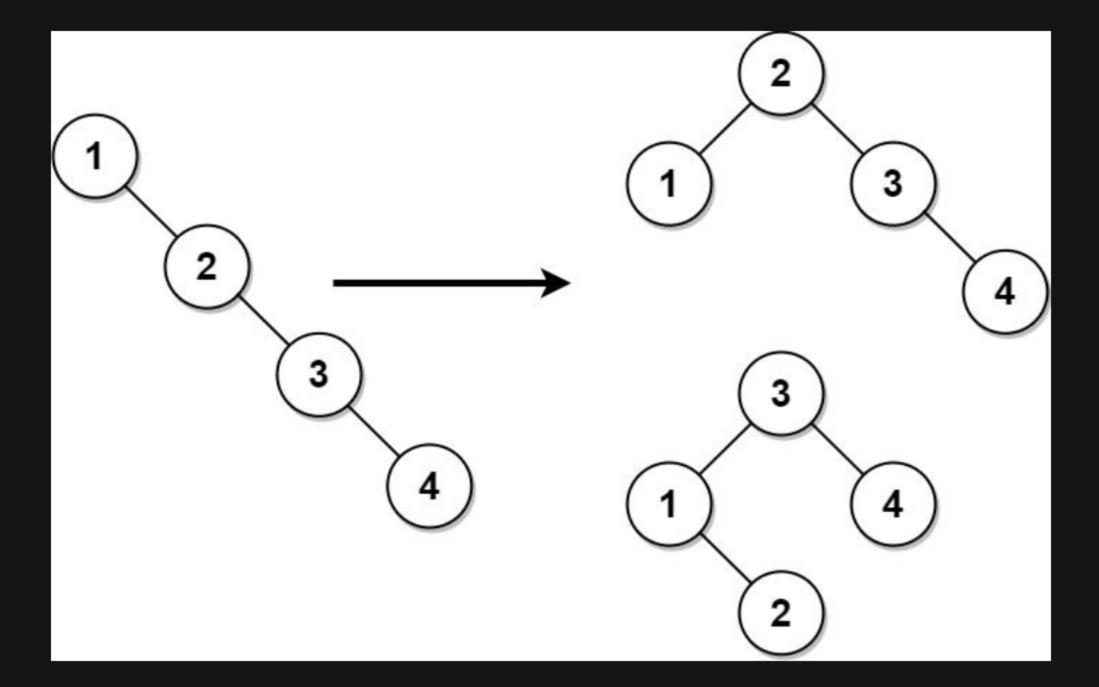
1382. Balance a Binary Search Tree

Description

Given the root of a binary search tree, return a balanced binary search tree with the same node values. If there is more than one answer, return any of them.

A binary search tree is **balanced** if the depth of the two subtrees of every node never differs by more than 1.

Example 1:

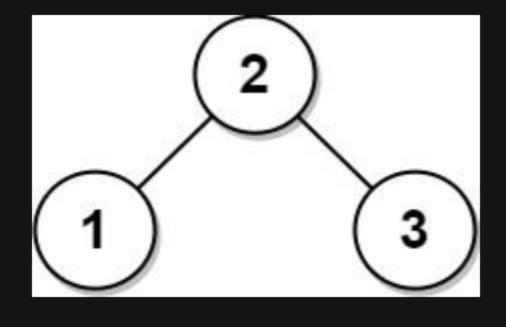


Input: root = [1,null,2,null,3,null,4,null,null]

Output: [2,1,3,null,null,null,4]

Explanation: This is not the only correct answer, [3,1,4,null,2] is also correct.

Example 2:



Input: root = [2,1,3]
Output: [2,1,3]

Constraints:

- The number of nodes in the tree is in the range [1, 10 4].
- 1 <= Node.val <= 10⁵