

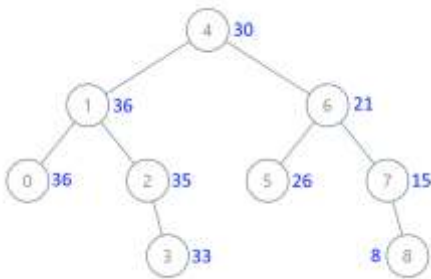
538. Convert BST to Greater Tree

Given the root of a Binary Search Tree (BST), convert it to a Greater Tree such that every key of the original BST is changed to the original key plus the sum of all keys greater than the original key in BST.

As a reminder, a binary search tree is a tree that satisfies these constraints:

- The left subtree of a node contains only nodes with keys less than the node's key.
- The right subtree of a node contains only nodes with keys greater than the node's key.
- Both the left and right subtrees must also be binary search trees.

Example 1:



- **Input:** root = [4,1,6,0,2,5,7,null,null,null,3,null,null,null,8]
- **Output:** [30,36,21,36,35,26,15,null,null,null,33,null,null,null,8]

Example 2:

- **Input:** root = [0,null,1]
- **Output:** [1,null,1]

Constraints:

- The number of nodes in the tree is in the range $[0, 10^4]$.
- $-10^4 \leq \text{Node.val} \leq 10^4$
- All the values in the tree are unique.
- root is guaranteed to be a valid binary search tree.

Note: This question is the same as 1038: <https://leetcode.com/problems/binary-search-tree-to-greater-sum-tree/>