1161. Maximum Level Sum of a Binary Tree

Hint

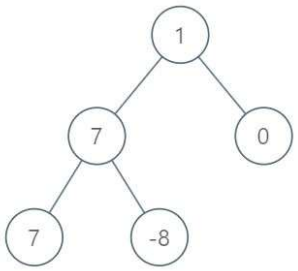
Medium 3K 91

Companies

Given the `root` of a binary tree, the level of its root is `1`, the level of its children is `2`, and so on.

Return the **smallest** level `x` such that the sum of all the values of nodes at level `x` is **maximal**.

Example 1:



Input: root = [1,7,0,7,-8,null,null]
Output: 2
Explanation:
Level 1 sum = 1.
Level 2 sum = 7 + 0 = 7.
Level 3 sum = 7 + -8 = -1.
So we return the level with the maximum sum which is level 2.

Example 2:

Input: root = [989,null,10250,98693,-89388,null,null,null,-32127]
Output: 2

Constraints:

- The number of nodes in the tree is in the range $[1, 10^4]$.
- $-10^5 <= Node.val <= 10^5$

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Yes No

Discussion (47)

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