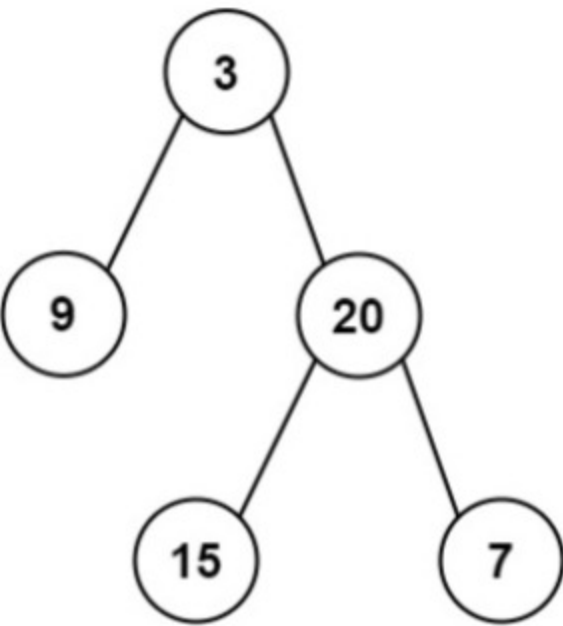


637. Average of Levels in Binary Tree

Easy Topics Companies

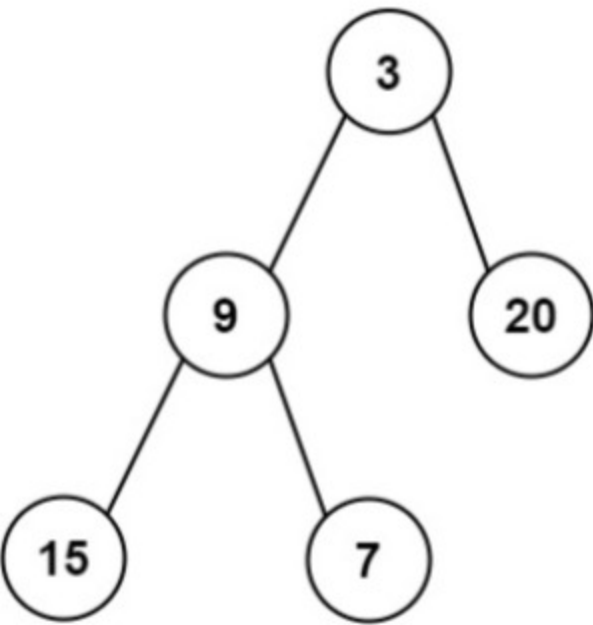
Given the `root` of a binary tree, return *the average value of the nodes on each level in the form of an array*. Answers within 10^{-5} of the actual answer will be accepted.

Example 1:



Input: `root = [3,9,20,null,null,15,7]`
Output: `[3.00000,14.50000,11.00000]`
Explanation: The average value of nodes on level 0 is 3, on level 1 is 14.5, and on level 2 is 11. Hence return `[3, 14.5, 11]`.

Example 2:



Input: `root = [3,9,20,15,7]`
Output: `[3.00000,14.50000,11.00000]`

Constraints:

- The number of nodes in the tree is in the range `[1, 104]`.
- $-2^{31} \leq \text{Node.val} \leq 2^{31} - 1$

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