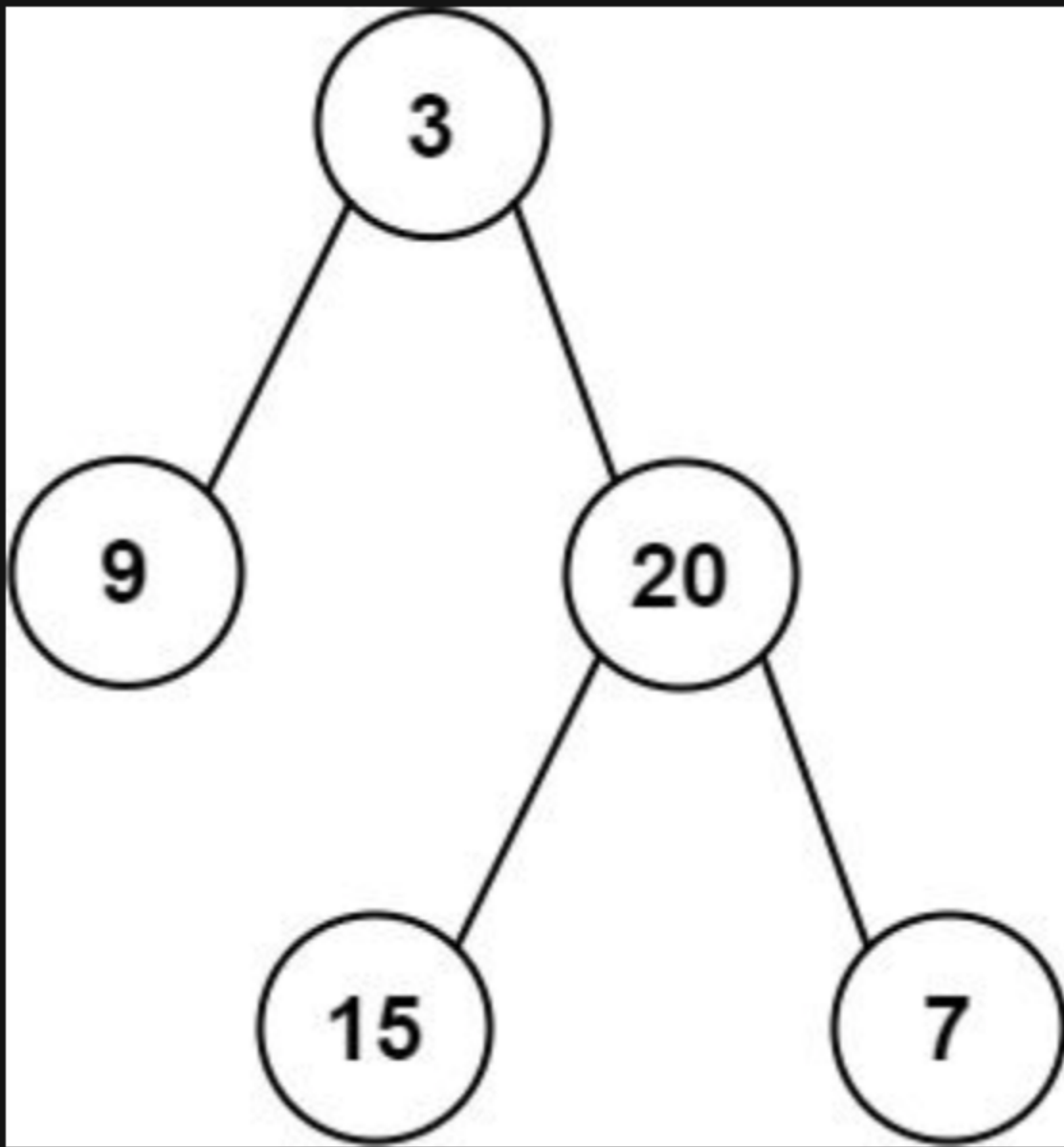


# 637. Average of Levels in Binary Tree

## Description

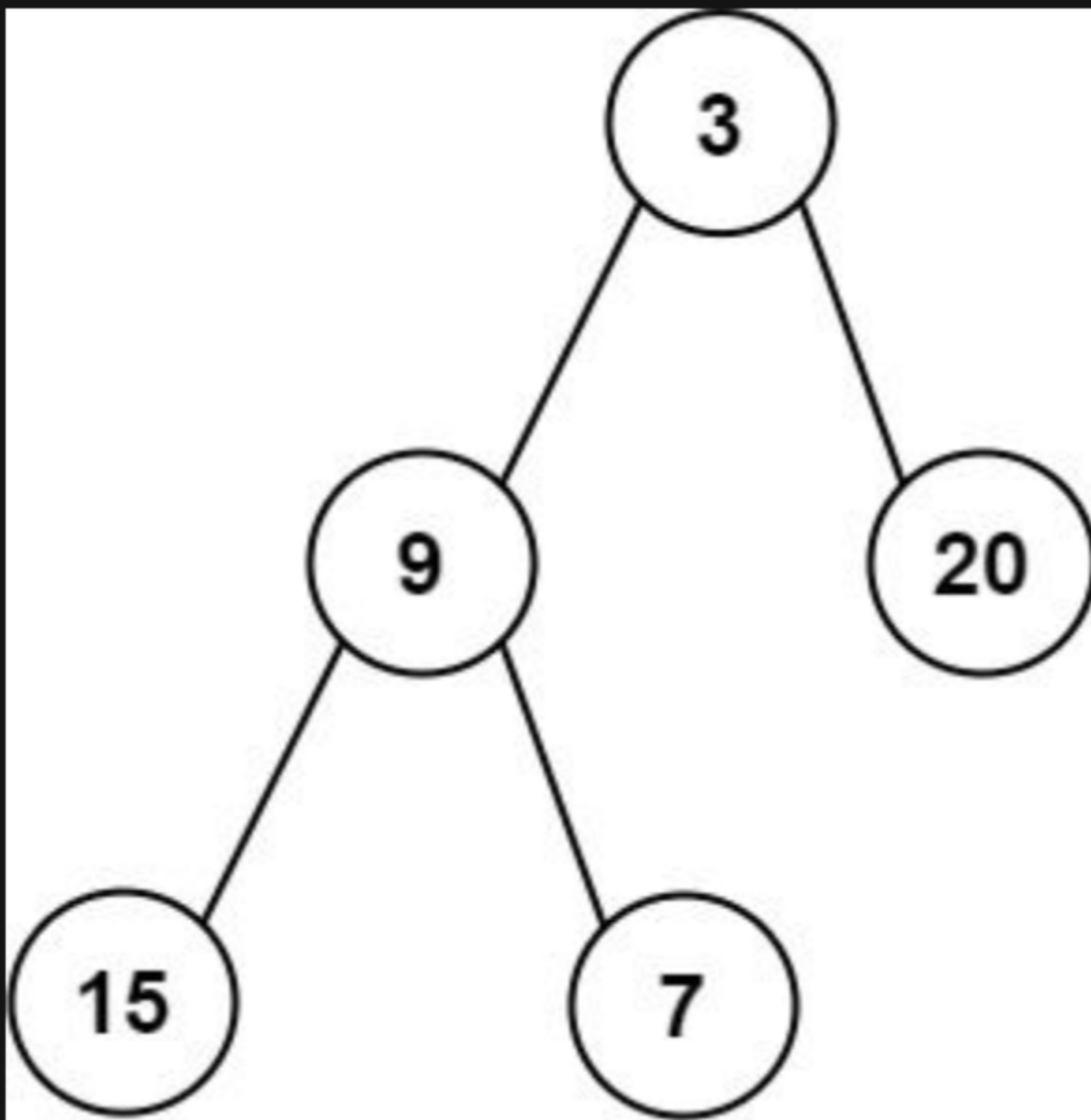
Given the `root` of a binary tree, return *the average value of the nodes on each level in the form of an array*. Answers within `10-5` of the actual answer will be accepted.

### 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]`.
- `-231 <= Node.val <= 231 - 1`

