

# 103. Binary Tree Zigzag Level Order Traversal

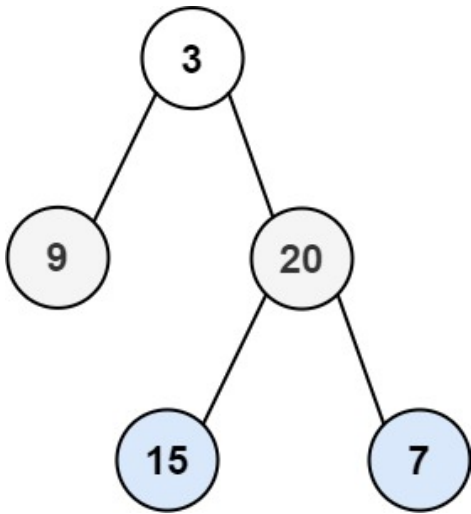
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Given the `root` of a binary tree, return *the zigzag level order traversal of its nodes' values*. (i.e., from left to right, then right to left for the next level and so on).

Example 1:



Input: `root = [3,9,20,null,null,15,7]`  
Output: `[[3],[20,9],[15,7]]`

Example 2:

Input: `root = [1]`  
Output: `[[1]]`

Example 3:

Input: `root = []`  
Output: `[]`

Constraints:

- The number of nodes in the tree is in the range `[0, 2000]`.
- `-100 <= Node.val <= 100`

Seen this question in a real interview before? 1/4

☒ Yes ☐ No

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