



LeetCode



Description

Discussion (6)

Solutions (1.3K)

Submissions

314. Binary Tree Vertical Order Traversal Premium

Hint



Medium



2.8K

289



Facebook

Bloomberg

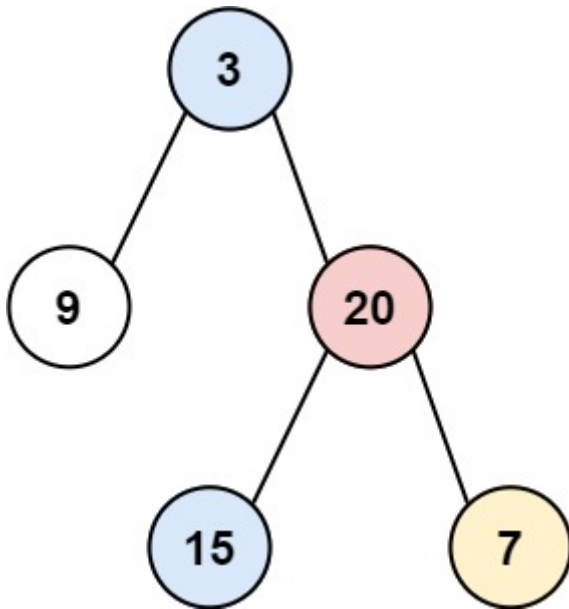
Amazon



Given the `root` of a binary tree, return **the vertical order traversal** of its nodes' values. (i.e., from top to bottom, column by column).

If two nodes are in the same row and column, the order should be from **left to right**.

Example 1:



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

Output: `[[9], [3,15], [20], [7]]`

Example 2:

C++

Auto

```

vector<vector<int>>
root) {
    15
    16     if(!root)
    17         return
    18
    19     queue
    20     map<int, vector<int>>
    21     vector<int>
    22     q.push({r
    23
    24     while(!q.
    25     {
    26         int s
    27         for(i
    28         {
    29             f
    30
    31             c
    32             n
    33             first->val);
    34
    35             1
    36             i
    37             {
    38
    39             }
    40             i
    41             {
    42                 +1});
    43             }
    44         }
    45
    46     for(auto
    47
  
```

Console

