107. Binary Tree Level Order Traversal II

题目描述: https://leetcode.com/problems/binary-tree-level-order-traversal-ii/

```
将一棵二叉树按照层次输出结果到一个vector中,要求按照从下到上,从左到右的顺序输出。例如:
```

```
3

/ \

9 20

/ \

15 7
```

输出结果为[[15,7],[9,20],[3]]

解题思路:

BFS+reverse

代码:

```
* Definition for a binary tree node.
 * struct TreeNode {
      int val;
       TreeNode *left;
       TreeNode *right;
       TreeNode(int x) : val(x), left(NULL), right(NULL) {}
* };
*/
class Solution {
public:
   vector<vector<int>>> levelOrderBottom(TreeNode* root) {
        vector<vector<int> > v;
        vector<int> vv;
        queue<pair<TreeNode*, int> > q;
       if(root == NULL)
            return v;
        q.push(pair<TreeNode*, int>(root, 0));
        while(!q.empty()){
            pair<TreeNode*, int> top = q.front();
            if(top.first == NULL){
                q.pop();
                continue;
            if(v.size() <= top.second)</pre>
                v.push_back(vv);
            v[top.second].push_back(top.first->val);
            q.push(pair<TreeNode*, int>(top.first->left, top.second+1));
            q.push(pair<TreeNode*, int>(top.first->right, top.second+1));
        reverse(v.begin(), v.end());
        return v;
};
```