剑指32 从上到下打印二叉树1

easy 标准二叉树广度优先遍历

```
// 我的答案

/**
 * 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<int> levelOrder(TreeNode* root) {
        if (root == NULL) return {};
        queue <TreeNode*> value;
        vector<int> output;
        TreeNode* q = root;
        value.push(q);
        while(!value.empty()) {
            q = value.front();
            output.push_back(q->val);
            value.pop();
            if (q->left != NULL)
                value.push(q->left);
            if (q->right != NULL)
                value.push(q->right);
        }
        return output;
    }
};
```