（1.4）LC429.N叉树的层序遍历

429. N 叉树的层序遍历 - 力扣（LeetCode）

思路：

二叉树推广到N叉树

代码：

```
/*
// Definition for a Node.
class Node {
public:
    int val;
    vector<Node*> children;   //二叉树是left和right
                              //三叉树是tmp->children[0],tmp->children[1],tmp-
>children[2]
    Node() {}

    Node(int _val) {
        val = _val;
    }

    Node(int _val, vector<Node*> _children) {
        val = _val;
        children = _children;
    }
};
*/
class Solution {
public:
    vector<vector<int>> levelOrder(Node* root) {
        vector<vector<int>> res;
        queue<Node*> que;
        if(root == NULL) return{};
        else que.push(root);

        while(!que.empty()){
            vector<int> vec;
            int size = que.size();
            for(int i = 0;i < size;i++){  // 模板
                Node* tmp = que.front();
                que.pop();
                vec.push_back(tmp->val);

                for(int i = 0;i < tmp->children.size();i++){   //和二叉树的不同之处
                    if(tmp->children[i] != NULL) que.push(tmp->children[i]);
                }
            }
            res.push_back(vec);
```

```
        }

        return res;
    }
};
```