111. Minimum Depth of Binary Tree

题目描述：https://leetcode.com/problems/minimum-depth-of-binary-tree/

> 给定一棵二叉树，求最短路径跳数。

解题思路：

用val域来存储当前的level

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:
    int minDepth(TreeNode* root) {
        if(root == NULL)
            return 0;
        queue<TreeNode *> q;
        root->val = 1;
        q.push(root);
        while(!q.empty()){
            TreeNode * n = q.front();
            q.pop();
            if(n->left == NULL && n->right == NULL)
                return n->val;
            if(n->left != NULL){
                n->left->val = n->val+1;
                q.push(n->left);
            }
            if(n->right != NULL){
                n->right->val = n->val + 1;
                q.push(n->right);
            }
        }
        return 0;
    }
};
```