Maximum Depth of Binary Tree

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\* Definition for a binary tree node.

\* struct TreeNode {

\* int val;

\* struct TreeNode \*left;

\* struct TreeNode \*right;

\* };

\*/

由二叉树的结点结构体类型定义可知，val变量是用来记录当前结点的深度，另有左右结点

所以采用递归算法能得到如下代码：

class Solution {

public:

int maxDepth(TreeNode\* root) {

if(root==NULL)return 0;

return max(maxDepth(root->left),maxDepth(root->right))+1; //加上根节点的深度

}

};