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/试编写算法，对一棵以孩子-兄弟链表表示的树统计叶子的个数
对以孩子-兄弟链表表示的树编写计算树的深度的算法/
#ifdef c_1105_//宏定义不可以数字开头
#define c_1105_

#include<stdio.h>

typedef char Elemtype;

typedef struct node{
Elemtype data;
struct node *firstchild,*nextsibling;
}CSnode;

int getleafNum(CSnode *node){
if(node == NULL)
return 0;
if(node->firstchild == NULL)
return 1 + getleafNum(node->nextsibling);
else
return getleafNum(node->firstchild) + getleafNum(node->nextsibling);
}

//求深度
int getDepth(CSnode *node) {
if (node == NULL)
return 0;

int childDepth = getDepth(node->firstchild); // 孩子子树深度
int siblingDepth = getDepth(node->nextsibling); // 兄弟子树深度

if(childDepth + 1 > siblingDepth)
return childDepth + 1;
else
return siblingDepth;
}
#endif
```