#include"tree.h"

#include "Htree.h"

#include <iostream>

#include "define.h"

using namespace std;

int main()

{

//BiTree t;

//cout << "请按层次遍历的方式构建一棵二叉树#代表该二叉树左孩子或者右孩子为空" << endl;

//Creat\_BiTree\_Pre(&t);

//cout << "层次遍历如下" << endl;

//LevelOrer(t);/\* cdnk##j##bz###fl##m## cdfnblmkjz\*/

//cout << endl << "中序遍历如下" << endl;;

//InOrder(t);

//cout << endl << "先序遍历如下" << endl;;

//PreOrder(t);

//cout << endl << "后续遍历如下" << endl;;

//PostOrder(t);

//cout <<endl<< "该二叉树的深度为:" << TreeDepty(t) << endl;

//cout << endl << "该二叉树的结点个数为" << TreeNodeCount(t) << endl;;

//cout << endl << "该二叉树的叶子节点个数有:" << TreeNodeDegreeIszero(t) << endl;;

HTree HT = nullptr;

Creat\_Huffman(&HT,8);

cout << "哈夫曼树构建如下" << endl;

for (int i = 1; i < 2 \* 8; ++i)

{

cout << "weight = " << HT[i].weight <<"\t"<< "parent = " << HT[i].parent << "\t" << "lchild = " << HT[i].lchild << "\t" << "rchild" << HT[i].rchild << "\t"

<< endl;

}

cout << "哈夫曼编码如下" << endl;

HCode HC = Creat\_HuffmanCode(HT,8);

//string name = "ABCDEFGHIJ";

//for (int i = 1; i < 10;i++)

//{

// cout << name[i] << ":" << HC[i] << endl;;

//}

system("pause");

}

