

数据结构实验

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#include<iostream>
using namespace std;
int n,m,a[100][100];

typedef struct
{
    int to;
    int last;
}listMap;

static listMap edge[10];
static int top = 0;
static int head[10] = { 0 };

void add(int u,int v){
    edge[++top].to=v;
    edge[top].last=head[u];
    head[u]=top;
}

int main(){
    cin>>n>>m;
    for(int i=1;i<=m;i++){
        int x,y;
        cin>>x>>y;
        a[x][y]=1;
        a[y][x]=1;
        add(x,y);
    }
    int i;
    for(int i=1;i<=n;i++){
        for(int j=1;j<=n;j++) cout<<a[i][j];
        cout<<endl;
    }
    for(int i=1;i<=n;i++){
        cout<<i<<" ";
        for(int j=head[i];j;j=edge[j].last){
            int d=edge[j].to;
            cout<<d<<" ";
        }
        cout<<endl;
    }
    return 0;
}

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1:

2: 3

3: 1

4:

PS C:\Users\36126\c语言\DataStructureEX>