資料結構HW2

第一題:

#include<stdio.h>

#include<stdlib.h>

struct date{

int year;

int month;

int day;

};

struct single{

bool sin;

};

struct married{

date mar\_date;

};

struct widowed{

date mar\_date;

date death\_date;

};

struct divorced{

date div\_date;

int div\_num;

};

union status{

single s;

married m;

widowed w;

divorced d;

};

第二題:

#include<stdio.h>

#include<stdlib.h>

int main(){

int n = 5;

int i = 0, j = 0, a[n][n], b[3\*n-2];

for(i = 0;i < n;i++)

for(j = 0;j < n;j++){

if(i == j || j == i+1 || j == i-1 && i != 0)

a[i][j] = b[2\*(i+1)+(j+1)-3];

else

a[i][j] = 0;

}

return 0;

}