#define MAX\_TERMS 100

class SM

{

int row, col, val;

public:

void create\_sparse(int r, int c, int v)

{

row=r;

col=c;

val=v;

}

};

void main()

{

SM a[MAX\_TERMS];

int matrix[10][10], count=0, k=1;

int r, c;

cin>>r>>c;

for(int i=0; i<r;i++)

for(int j=0; j<c;j++){

cin>>matrix[i][j];

if(matrix[i][j]!=0){

count++;

a[k].create\_sparse(i, j, matrix[i][j]);

k++;

}

}

a[0].create\_parse(i, j, count);

}