```cpp
#include<iostream.h>

class inventory{

    char author[10],title[10],publisher[10],position[10];

    float price;

    int stock;

public:

    void origin(void);

    void display(void);

    friend int   search(char a,char b){

        int number;

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

            if(a==author||b==title)                     //没有想
到怎么用数组把每一个对象中的标题及作者依次与 a   b 进行匹
配；

            {

                display(void);

                cout<<"it is available,input number required";

                cin>>number;

                if(number<=stock)

                {

                    cout<<number*price;

                    stock-=number;
```

```cpp
                    return 1;
                }
                cout<<"not enough";
                    return 0;
            }
            cout<<"required copies not in stock";
        return 0;
        }
};
void inventory::origin(void){
    cin>>author;
    cin>>title;
    cin>>publisher;
    cin>>position;
    cin>>price;
    cin>>stock;
}
void inventory::display(void){
    cout<<"the author is"<<author;
    cout<<"the title is"<<title;
    cout<<"the publisher is"<<publisher;
    cout<<"the position is"<<position;
```

```cpp
    cout<<"the price is"<<price;

    cout<<"the stock is"<<stock;

}


int main()

{

    static countsu=0;

    static countun=0;


    int size=5;

    inventory book[size];

    char c[10],d[10];


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

    {

        book[i].origin();

    }

        cou<<"what kind of book do you want?"

        cin>>c;

        cin>>d;

    while(c!='#')

    {
```

```
        search(c,d);

        if(search(c,d)=1)

            countsu++;

        countun++；

    }

    cout<<countsu;

    cout<<countun;

    return 0;

}
```