```
semaphore s;
int s_count, i ,seatCount;
char name[100];
seatCount = 0; //已被占用的座位数
InterfaceModule IM;
DEFINE enterroom (), leaveroom();
USE enter(), leave(), wait(), signal();
                                       void leaveroom(char[] readername){
void enterroom(char[] readername){
                                         enter(IM);
  enter(IM);
                                           seatCount--;
    if (seatCount >= 100)
                                           for (int i = 0; i < 100; i++){
      wait(s, s_count, IM);
                                              if (name[i] == readername){
    seatCount++;
                                               name[i] = null;
    for (int i = 0; i < 100; i++){
                                               break;
      if (name[i] == null){
        name[i] = readername;
                                             }
        break;
                                            signal(s, s_count, IM);
                                         leave(IM);
                                       }
    {获得座位i};
  leave(IM);
}
cobegin
 process readeri(){
    readbook.enterroom(readername);
    {阅读};
    readbook.leaveroom(readername);
    {离开阅览室};
coend
```

type readbook = MONTOR {