Monitor producerconsumer

{

int bb,cm,N,mutex,SFoccupied;//理发师，顾客，沙发，互斥信号量，被占用沙发

public:

void work()

{

wait(cm);

SFoccupied--;

}

void guest()

{

wait(mutex);

if(SFoccupied<N)

{

SFoccupied++;

signal(mutex);

//坐在沙发上等待;

signal(cm);

wait(bb);

}

else

{

signal(mutex);

//离开;

}

}

{bb=1,cm=0,N=10,mutex=1,SFoccupied=0}

}PC;

void barber()

{

while(1)

{

PC.work();

//理发;

//睡觉;

}

}

void customer()

{

while(1)

{

PC.guest();

//释放座椅;

//被理发;

}

}

void main()

{

barber();

customer();

}