Monitor procducerconsumer {

int waiting number=0;

int chair number=0;

semaphore mutex=1,customers=0,barber=0;

void cut( ) {

wait(customer);

wait(mutex);

waiting number--;

signal(barber);

signal(mutex); }

void becut( ) {

wait(mutex);

if(waiting number<chair number) {

waiting number=waiting number+1;

signal(barber);

signal(mutex); }}

void customer( ) {

PC.becut( ); }

void barber( ) {

PC.cut( ); }

void main( ) {

customer( );

barber( ); }