monitor PC{

customers=0; barbers=0; waiting=0; mutex=1;Chairs;

barber( ){

while(TRUE) {

wait(customers);

wait(mutex);

waiting=waiting-1;

signal(barbers);

signal(mutex);} }

customer(int i){

wait(mutex);

if(waiting<Chairs){

waiting=waiting+1;

signal(customers);

signal(mutex);

wait(babers); }

else

signal(mutex);}

}

PA(){

PC.barber()

cut hair;}

PB(){

PC.customers()

get haircut;}