

MONITOR SuchiBarMonitor_3

Private Boolean fullGroup = false;

Private int nfs;

Private int nextCustomer;

Private int nowServing;

Private int vipsWaiting;

Condition noGroup;

Condition vipsWaiting;

Void enterVip()

 vipsWaiting++;

 while(nfs==0)

waitC (noGroup)

 vipsWaiting--;

 nfs--;

Void exitVip()

 nfs++;

signalC (vipWait);

 if(vipsWaiting==0)

 if(nfs==5)

signal(noGroup)

Void enter()

 while(numCustomers == MAX_CAPACITY || fullGroup)

 if(nfs == 0)

 noGroup = true;

waitC (noGroup)

 numCustomers ++;

 nfs--;

Void exit()

numCustomers--;

nfs++;

if(nfs==5)

signalC(noGroup)