```
MONITOR SuchiBarMonitor_3

        Private Boolean fullGroup = false;

        Private int nfs = 5;

        Private int nextCustomer;

        Private int nowServing;

        Condition noGroup;

        Condition vipsWaiting;


        Void enter()

                while (nfs==0 || fullGroup oup)

                        if(!fullGroup)

                                fullGroup = true;

                        waitC (noGroup)

                nfs--;

        Void exit()

                nfs++;

                if(nfs==5)

                        fullGroup = true;

                        signalC (noGroup)


        Void enterVip()

                while(nfs==0)

                        waitC (noGroup)

                if(fullGroup)

                        fullGroup = false;

                        signalC (noGroup);

                nfs--;


        Void exitVip()

                nfs++;

                signalC (vipWait);
```

```
if(nfs==5 && fullGroup)
        signal(noGroup)
```