CUSTOMER THREAD

COOK THREAD

CASHIER THREAD

Sem\_wait ()

Sem\_post ()

End

Wait until cashier picks a burger from the rack

NO

Rack full?

Make Burger and put it in rack

START

START

NO

YES

Sem\_wait (customer)

Sem\_wait (Cashier\_awake)

Sem\_post (customer)

Any Burger available?

Oder fulfilled

End

Takes the Burger and go to customer

Wait until a cook put a burger in rack

Check the rack for Burger

Wake up and ready to receive order

Get the order from customer

End

Get the Burger

Placed an Order

Approach a Cashier

START