Modelagem orientada a Eventos

Exemplo: modelo Posto de Gasolina

```
Entity Car

Resource clerks = 3  //clerks avaliable to serve

Set carsQueue: Car
```

mainLooP

```
schedule carArrival() now
startSimulation
//shows collected statistics
print carQueue.averageSize
```

mainLooP

```
start carGenerator now
start service now
start service now
start service now
startSimulation
//shows collected statistics
print carQueue.averageSize
```

sleep(12) seconds <</pre>

delete car

Exemplo: modelo Posto de Gasolina

```
Entity Car
Set carsQueue: Car
```

```
Process carGenerator(duration)

while(modelClock < 100)

car = create Car

carQueue.enqueue(car)
```

```
Process service(duration)

while(true)

if not carsQueue.Empty

Car car = carQueue.dequeue

delete car
```

mainLooP

```
start carGenerator(5) now
start service(12) now
start service(12) now
start service(12) now
startSimulation
//shows collected statistics
print carQueue.averageSize
```