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
```

Modelagem orientada a Processos

Exemplo: modelo Posto de Gasolina

```
Entity Car
```

Set carsQueue: Car

```
Process carGenerator

while(modelClock < 100)

car = create Car

carQueue.enqueue(car)

sleep(5) seconds
```

```
Process service

while(true)

if not carsQueue.Empty

Car car = carQueue.dequeue

sleep(12) seconds

delete car
```

mainLooP

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