

Monitor control de Cola

integer numElementos := 0

condition estaEscribiendo

condition estaBorrando

operation escribirCola (BoundedQueue cola, string elemento)

```
    while (numElementos > MAX-ELEMENTOS)
    |   waitC (estaEscribiendo)
    |   end
    |   cola.enqueue (elemento)
    |   numElementos ++
    |   signal C (estaBorrando)
    |   end
```

operation leerCola (BoundedQueue cola, string elemento)

```
    while (numElementos ≤ 0)
    |   waitC (estaBorrando)
    |   end
    |   elemento := cola.first()
    |   cola.dequeue()
    |   numElementos --
    |   signal C (estaEscribiendo)
    |   end
```