```
event = waitForEvent()
                                1 items.wait()
   mutex.wait()
                                2 mutex.wait()
       buffer.add(event)
                                      event = buffer.get()
       items.signal()
                                  mutex.signal()
  mutex.signal()
                                  event.process()
or,
                               or,
  event = waitForEvent()
                                1 mutex.wait()
   mutex.wait()
                                      items.wait()
       buffer.add(event)
                                      event = buffer.get()
  mutex.signal()
                                  mutex.signal()
  items.signal()
                                  event.process()
```