The Simplest Use of Semaphore

Signaling

- ▶ One thread sends a signal to another thread to indicate that something has happened
- ▶ it solves the serialization problem

  Signaling makes it possible to guarantee that a section of code in one thread will run before a section of code in another thread

```
1  statement a1        1  sem.wait()
2  sem.signal()        2  statement b1
```

What's the initial value of `sem`?