Little Book of Semaphores, Chapter 2

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- When a thread decrements, if the value is negative the thread blocks.
- When a thread increments, if there are threads waiting, one gets unblocked.

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- No getter. Why?

Semaphore notation

```
fred = Semaphore()
fred.increment()
fred.decrement()
```

```
fred = Semaphore()
fred.signal()
fred.wait()
```

```
fred = Semaphore()
fred.V()
fred.P()
```

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- Solutions using semaphores are often clean and organized.
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- However, they can get complex quickly.