

Implementazione di semafori

Su un multiprocessore:

```
P() {
    spinlock_acquire();
    disable_interrupts();
    if (value == 0){
        waiting.add(TCB);
        sched.suspend(spinlock);
    } else {
        value--;
        spinlock_release();
        enable_interrupts();
    }
}

V() {
    spinlock_acquire();
    disable_interrupts();
    if (!waiting.empty()) {
        t = waiting.remove();
        sched.add_ready(t);
    } else {
        value++;
    }
    spinlock_release();
    enable_interrupts();
}
```