

Implementazione di semafori

Su un multiprocessore:

```
P() {                                V() {  
    spinlock_acquire();                spinlock_acquire();  
    disable_interrupts();              disable_interrupts();  
    if (value == 0){                  if (!waiting.empty()) {  
        waiting.add(TCB);            t = waiting.remove();  
        sched.suspend(spinlock);      sched.add_ready(t);  
    } else {                          } else {  
        value--;                      value++;  
        spinlock_release();          }  
        enable_interrupts();         spinlock_release();  
    }                                enable_interrupts();  
}                                }
```