Condition variables

```
proc notify (cvar) {
    acquire (tt_lock);
    for (i = 0 to N-1) do {
        if (ttable[i].cvar == cvar &&
                ttable[i].state == WAITING) {
            ttable[i].state ß  RUNNABLE;}
        }
    release(tt_lock);}
```

```
proc wait(cvar, lock) {
    acquire(tt_lock);
    ttable[id].lock ß  lock;
    ttable[id].cvar ß  cvar;
    release(tt_lock);
    yield(WAITING);
    acquire(lock);}
```

Implementing condition variables

```
proc wait(cvar, lock) {
    yield_wait(cval,lock);
    acquire(lock); }
```

Implementing condition variables

```
proc yield_wait(cvar, lock) {
    disable_interrupts;
    acquire(tt_lock);
    release(lock);
    ttable[id].lock ß  lock;
    ttable[id].cvar ß  cvar;
    ttable[id].sp ß  SP;
    ttable[id].state ß  WAITING;
    // other yield code
    release(tt_lock);
    enable_interrupts;}
```