bool lock = false;

process CS1 {
    while (true) {
        await (!lock) lock = true; /* entry */
        critical section;
        lock = false; /* exit */
        noncritical section;
    }
}

process CS2 {
    while (true) {
        await (!lock) lock = true; /* entry */
        critical section;
        lock = false; /* exit */
        noncritical section;
    }
}

Figure 3.2 Critical sections using locks.