

```
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.

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