

```
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.