```
bool in1 = false, in2 = false;
## MUTEX:  ¬(in1 ∧ in2) -- global invariant
process CS1 {
  while (true) {
    ⟨await (!in2) in1 = true;⟩  /* entry */
    critical section;
    in1 = false;                /* exit  */
    noncritical section;
  }
}
process CS2 {
  while (true) {
    ⟨await (!in1) in2 = true;⟩  /* entry */
    critical section;
    in2 = false;                /* exit  */
    noncritical section;
  }
}
```

Figure 3.1 Critical section problem: Coarse-grained solution.

Copyright © 2000 by Addison Wesley Longman, Inc.