

```

bool lock = false;           /* shared lock */
process CS[i = 1 to n] {
  while (true) {
    while (lock) skip;       /* entry protocol */
    while (TS(lock)) {
      while (lock) skip;
    }
    critical section;
    lock = false;           /* exit protocol */
    noncritical section;
  }
}

```

**Figure 3.4** Critical sections using Test and Test and Set.