int number = 1, next = 1, turn[1:n] = ([n] 0);
## predicate TICKET is a global invariant (see text)

process CS[i = 1 to n] {
    while (true) {
        ⟨turn[i] = number; number = number + 1;⟩
        ⟨await (turn[i] == next);⟩
        critical section;
        ⟨next = next + 1;⟩
        noncritical section;
    }
}

Figure 3.8 The ticket algorithm: Coarse-grained solution.

Copyright © 2000 by Addison Wesley Longman, Inc.