```
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.