```
monitor Shortest_Job_Next {

  bool free = true;  ## Invariant SJN:  see text
  cond turn;         #  signaled when resource available

  procedure request(int time) {
    if (free)
      free = false;
    else
      wait(turn, time);
  }

  procedure release() {
    if (empty(turn))
      free = true
    else
      signal(turn);
  }

}
```

Figure 5.6 Shortest-job-next allocation with monitors.