

```
/* program mutualexclusion */
const int n = /* number of processes */;
semaphore s = 1;
void P(int i)
{
    while (true) {
        semWait(s);
        /* critical section */
        semSignal(s);
        /* remainder */
    }
}
void main()
{
    parbegin (P(1), P(2), . . . , P(n));
}
```

Figure 5.9 Mutual Exclusion Using Semaphores