```
void reader(void)
                              {
                                while (TRUE) {
semaphore mutex = 1;
                                  turnstile.wait();
semaphore noOther = 1;
                                  turnstile.signal();
semaphore turnstile = 1;
int readers = 0;
                                  wait(&mutex);
                                     readers++:
void writer(void)
                                     if (readers == 1)
                                        wait(&noOther);
  while (TRUE) {
                                  signal(&mutex);
    turnstile.wait():
                                  reading();
      wait(&noOther);
                                  wait(&mutex);
        writing();
                                     readers--:
      signal(&noOther);
                                     if (readers == 0)
    turnstile.signal();
                                       signal(&noOther);
                                   signal(&mutex);
                                  anything();
```