```
semaphore mutex = 1;
semaphore noOther = 1;
int readers = 0;

void writer(void)
{
  while (TRUE) {
    wait(&noOther);
      writing();
    signal(&noOther);
  }
}
```

```
void reader(void)
{
  while (TRUE) {
    wait(&mutex);
      readers++;
      if (readers == 1)
        wait(&noOther);
    signal(&mutex);
    reading();
    wait(&mutex);
      readers--;
      if (readers == 0)
        signal(&noOther);
    signal(&mutex);
    anything();
  }
}
```