```
sem rw = 1;
process Reader[i = 1 to M] {
  while (true) {
    • • •
              # grab exclusive access lock
    P(rw);
    read the database;
    V(rw);
            # release the lock
  }
}
process Writer[j = 1 to N] {
  while (true) {
    • • •
    P(rw); # grab exclusive access lock
    write the database;
            # release the lock
    V(rw);
  }
}
```

Figure 4.8 An overconstrained readers/writers solution.

Copyright © 2000 by Addison Wesley Longman, Inc.