```
sem rw = 1;
process Reader[i = 1 to M] {
  while (true) {
    ...
    P(rw);    # grab exclusive access lock
    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;
    V(rw);    # release the lock
  }
}
```

Figure 4.8 An overconstrained readers/writers solution.

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