int nr = 0, nw = 0;
## RW: (nr == 0 ∨ nw == 0) ∧ nw <= 1
process Reader[i = 1 to m] {
    while (true) {
        ...               
        ⟨await (nw == 0) nr = nr+1;⟩
        read the database;
        ⟨nr = nr-1;⟩
    }
}

process Writer[j = 1 to n] {
    while (true) {
        ...               
        ⟨await (nr == 0 and nw == 0) nw = nw+1;⟩
        write the database;
        ⟨nw = nw-1;⟩
    }
}

Figure 4.11  A coarse-grained readers/writers solution.

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