



Fig. 3.3 Exercise 3.2

3.4 Reversibility

A Petri net (N, M_0) is said to be *reversible* if, for each marking M in $R(M_0)$, M_0 is reachable from M . Thus, in a reversible net one can always get back to the initial marking or state. In many applications, it is not necessary to get back to the initial state as long as one can get back to some (home) state. Therefore, we relax the reversibility condition and define a home state. A marking M' is said to be a home state if, for each marking M in $R(M_0)$, M' is reachable from M .