$$SimpleSystem = \\ \langle p_send(m), in(m), -\rangle \rightarrow \underline{in(m)} \\ \langle p_a, -, -\rangle \rightarrow p_a \ [p_a \neq p_send(m)] \\ \langle -, out(m, c), q_recv(m, c) \rangle \rightarrow \underline{out(m, ec)} \\ \langle -, -, q_b \rangle \rightarrow q_b \ [q_b \neq q_recv(m)] \\ \langle -, \tau, -\rangle \rightarrow \tau$$

$$PerfectBuffer$$

$$\underline{in(?m)\{ec := 0\}}$$

$$\underline{b0}$$

$$out(m, ec)$$

$$\tau\{ec := ec + 1\}$$