$$SV_{SimpleSystem} = \\ < p\text{-send(m), in(m), ->} \rightarrow \underline{\text{in(m)}} \\ < p\text{-a, -, ->} \rightarrow p\text{-a} [p\text{-a} \neq p\text{-send(m)}] \\ < -, \text{ out(m,ec), q-recv(m,ec)} > \rightarrow \underline{\text{out(m,ec)}} \\ < -, -, \text{q-b} > \rightarrow \text{q-b} [\text{q-b} \neq \text{q-recv(m)}] \\ < -, \tau, -> \rightarrow \tau$$

$$PerfectBuffer$$

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

$$0ut(m,ec)$$

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