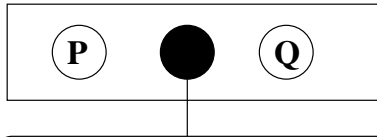


SimpleSystem



PerfectBuffer

vars:
 b_ec: Nat
 b_msg: Data

in(?m) {b_ec := 0, b_msg := m}



out(b_msg, b_ec) {b_ec := b_ec + 1}

$SV_{SimpleSystem} =$

$\langle \text{p-send}(m), \text{in}(m), - \rangle \rightarrow \text{in}(m)$

$\langle \text{p-a}, -, - \rangle \rightarrow \text{p-a} [\forall x. \text{p-a} \neq \text{p-send}(x)]$

$\langle -, \text{out}(m, \text{ec}), \text{q-recv}(m, \text{ec}) \rangle \rightarrow \text{out}(m, \text{ec})$

$\langle -, -, \text{q-b} \rangle \rightarrow \text{q-b} [\forall x, y. \text{q-b} \neq \text{q-recv}(x, y)]$

$\langle -, \tau, - \rangle \rightarrow \tau$