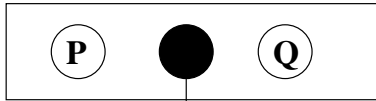


SimpleSystem



$SV_{SimpleSystem} =$

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

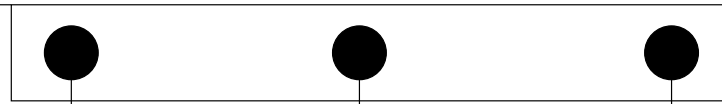
$\langle \text{p-a}, -, - \rangle \rightarrow \text{p-a} [\forall x. \text{p-a} \neq \text{p-send}(x)]$

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

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

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

SimpleProtocol



$SV_{SimpleProtocol} =$

$\langle \text{s-recv}(m), -, - \rangle \rightarrow \text{in}(m)$

$\langle \text{s-send}(m, \text{ec}), \text{m-recv}(m, \text{ec}), - \rangle \rightarrow \tau$

$\langle -, \text{m-send}(m, \text{ec}), \text{r-recv}(m, \text{ec}) \rangle \rightarrow \tau$

$\langle \text{s-error}, \text{m-error}, - \rangle \rightarrow \tau$

$\langle \text{s-ack}, -, \text{r-ack} \rangle \rightarrow \tau$

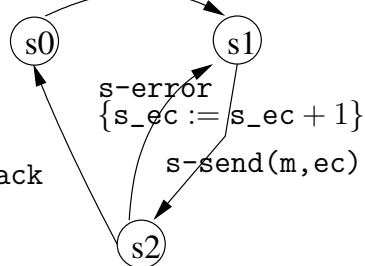
$\langle -, -, \text{r-send}(m, \text{ec}) \rangle \rightarrow \text{out}(m, \text{ec})$

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

Sender

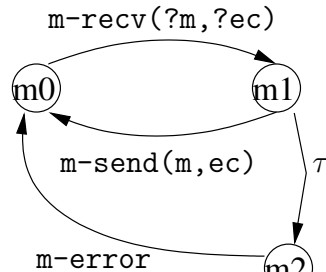
vars:
s_ec: Nat
m, s_msg: Data

s-recv(?m)
{s_ec := 0, s_msg := m}



Medium

vars:
ec, m_ec: Nat
m, m_msg: Data



Receiver

vars:
ec, r_ec: Nat
m, r_msg: Data

