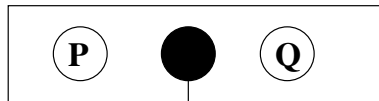
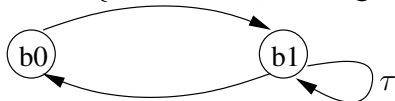


SimpleSystemSpec



PerfectBuffer

$\text{in}(\text{?m})\{\text{b1_ec} := 0, \text{b1_msg} := \text{m}\}$



$\text{out}(\text{b1_msg}, \text{b1_ec})\{\text{b1_ec} := \text{b1_ec} + 1\}$

$SV_{SimpleSystem} =$

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

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

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

$\langle -, -, \text{q-b} \rangle \rightarrow \text{q-b} [\text{q-b} \neq \text{q-recv}(\text{m})]$

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