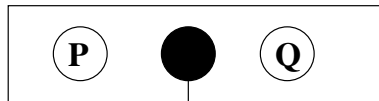
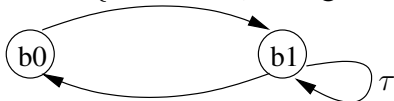


*SimpleSystemSpec*



*PerfectBuffer*

$\text{in}(\text{?m}) \{ \text{b\_ec} := 0, \text{b\_msg} := \text{m} \}$



$\text{out}(\text{b\_msg}, \text{b\_ec}) \{ \text{b\_ec} := \text{b\_ec} + 1 \}$

$SV_{SimpleSystem} =$

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

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

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

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

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