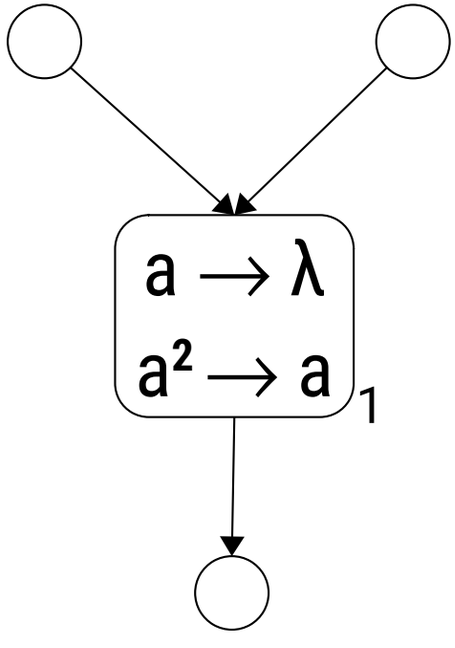
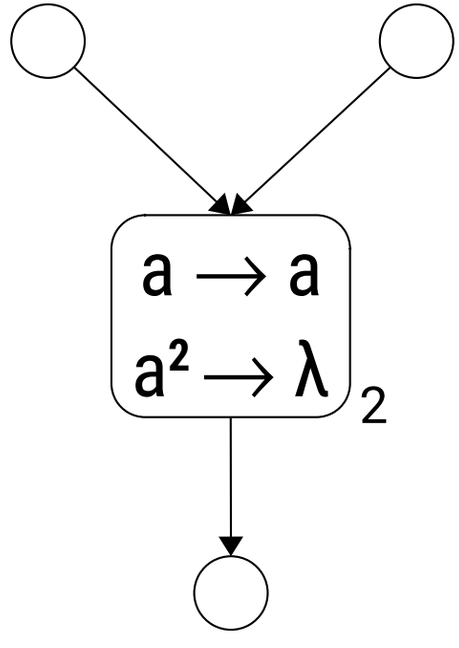
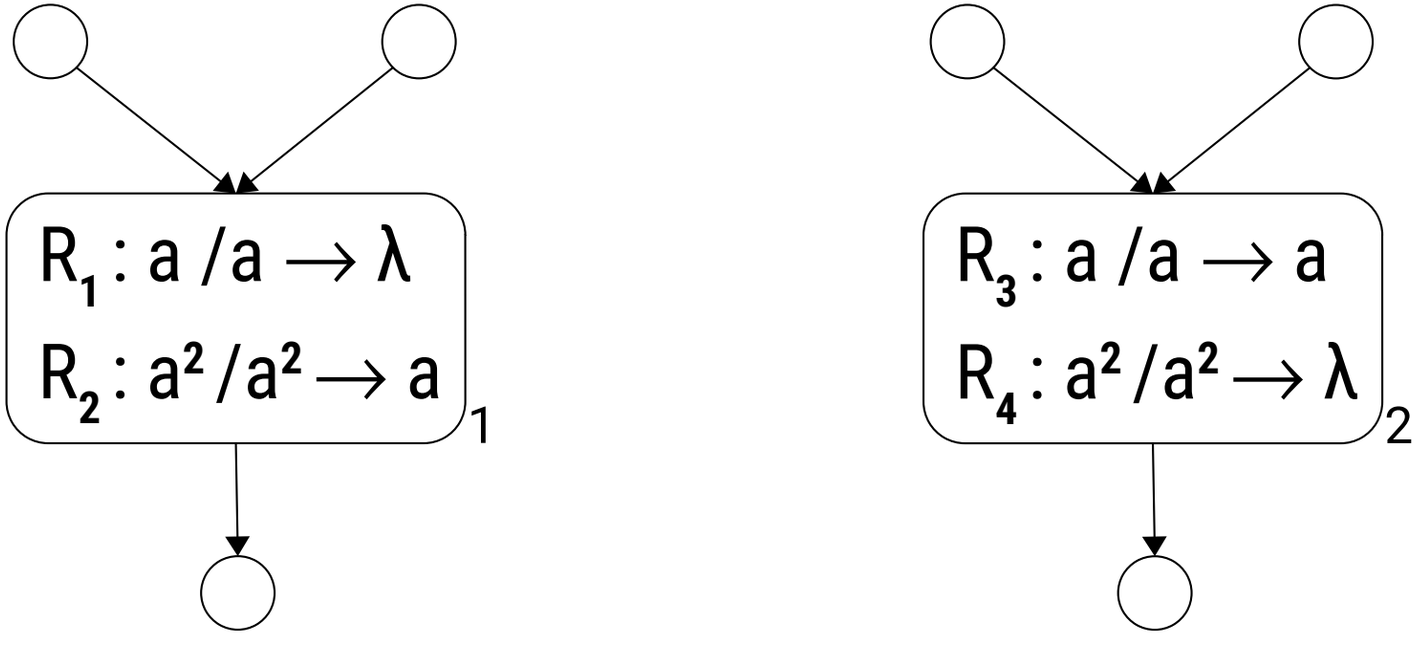
Homogeneous Neurons

Homogeneous Neurons

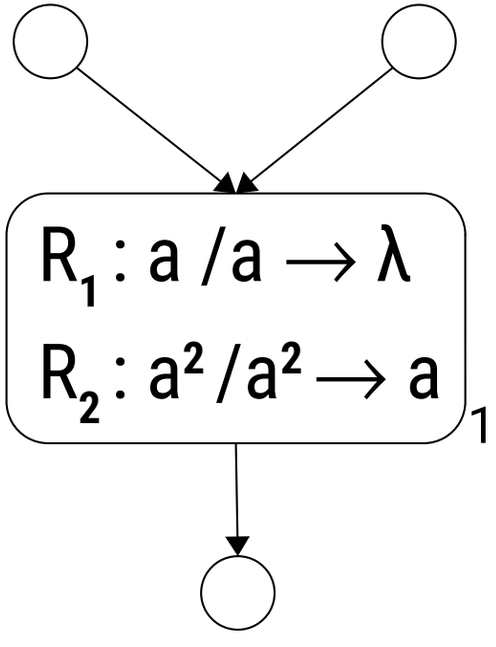




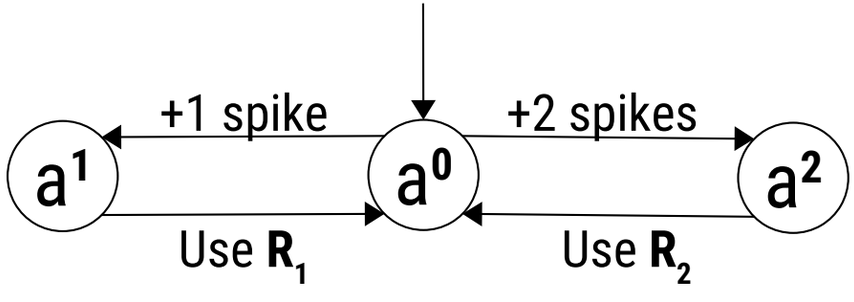
Homogeneous Neurons



Homogeneous Neurons

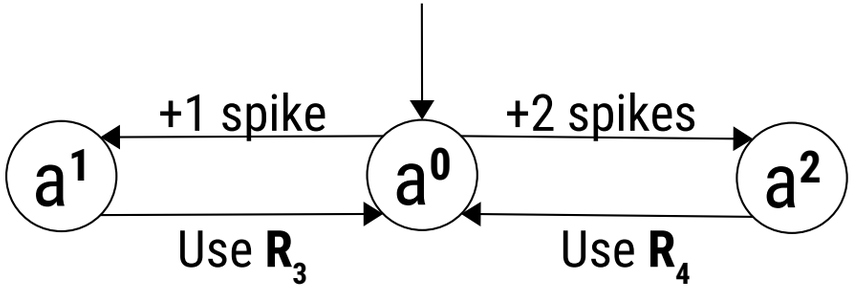


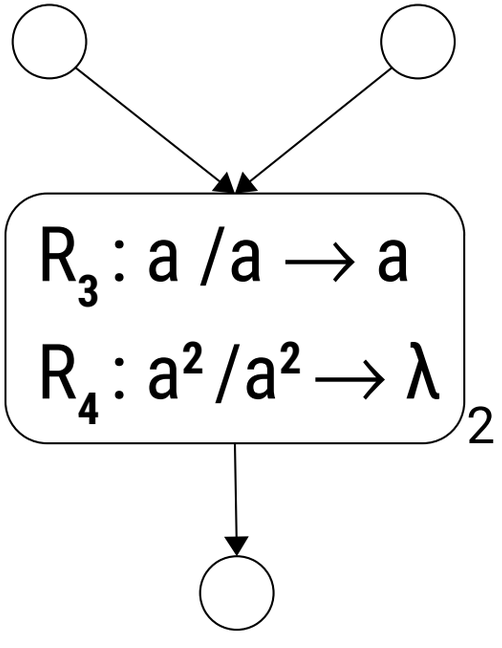
(Spike) State Machine for Neuron 1



Homogeneous Neurons

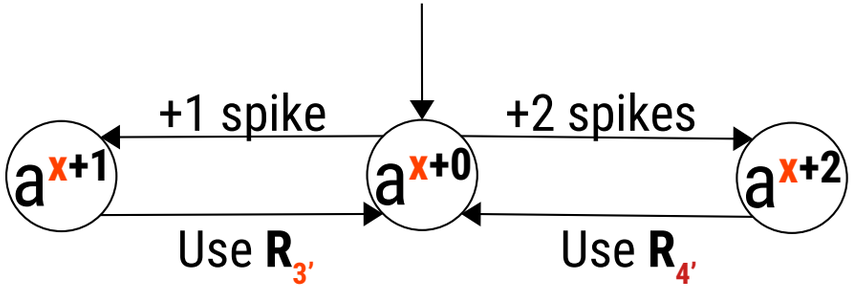
(Spike) State Machine for Neuron 2

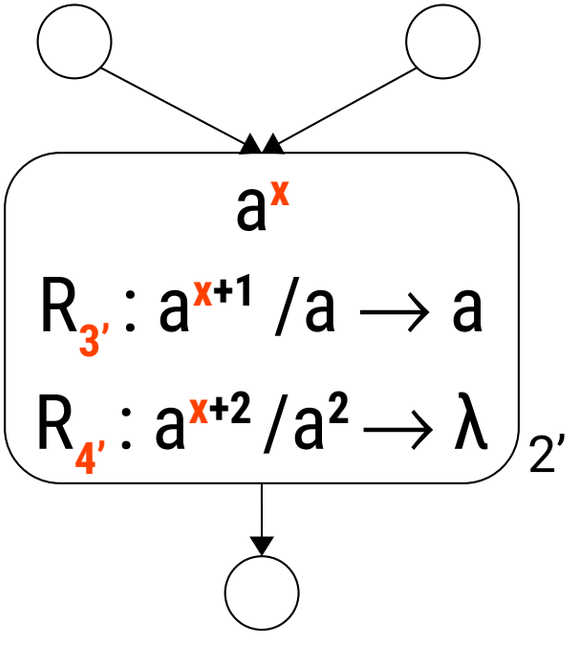




Homogeneous Neurons

(Spike) Translated State Machine for Neuron 2





Homogeneous Neurons

Common Neuron

$R_{1'}: a/a \rightarrow \lambda$

$R_{2'}: a^2/a^2 \rightarrow a$

$R_{3'}: a^{x+1}/a \rightarrow a$

$R_{4'}: a^{x+2}/a^2 \rightarrow \lambda$

0

$R_1: a/a \rightarrow \lambda$

$R_2: a^2/a^2 \rightarrow a$

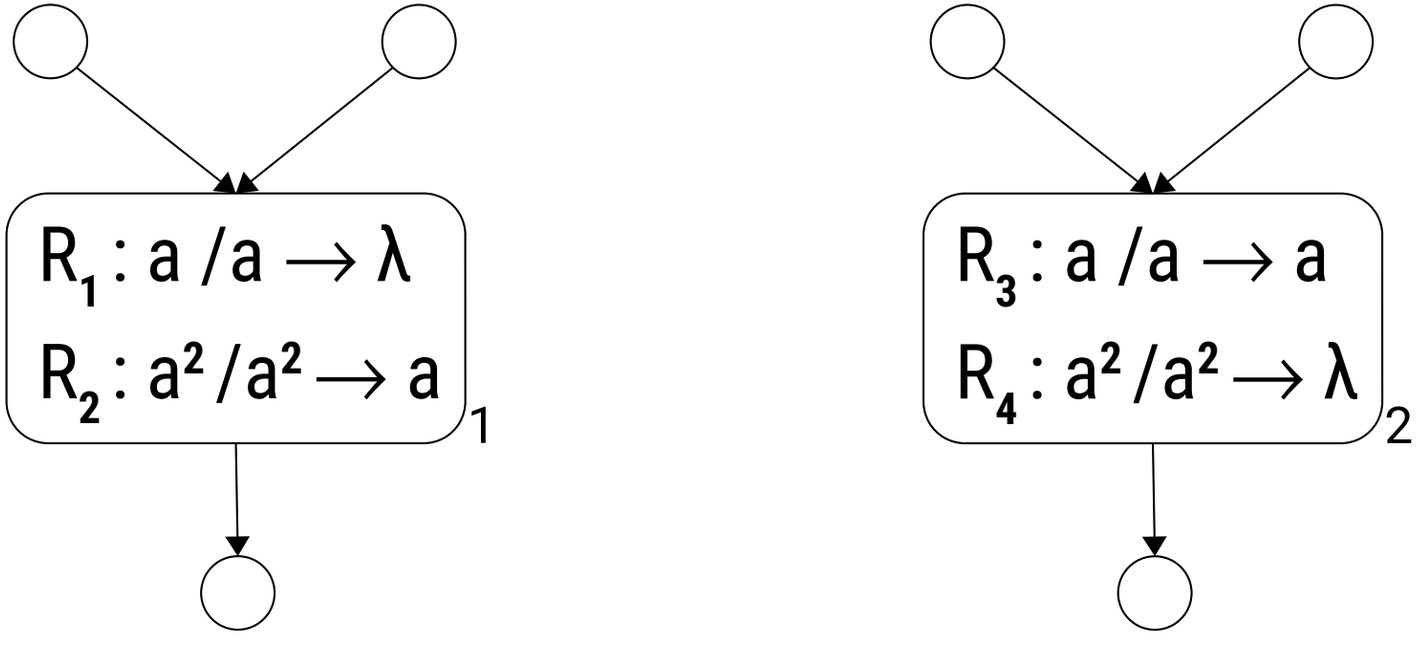
1

$R_3: a/a \rightarrow a$

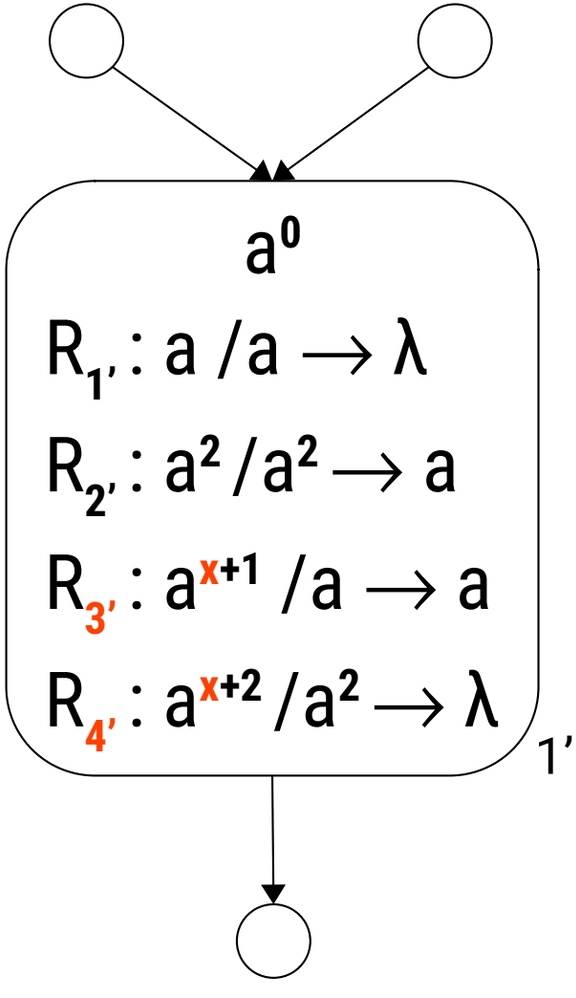
$R_4: a^2/a^2 \rightarrow \lambda$

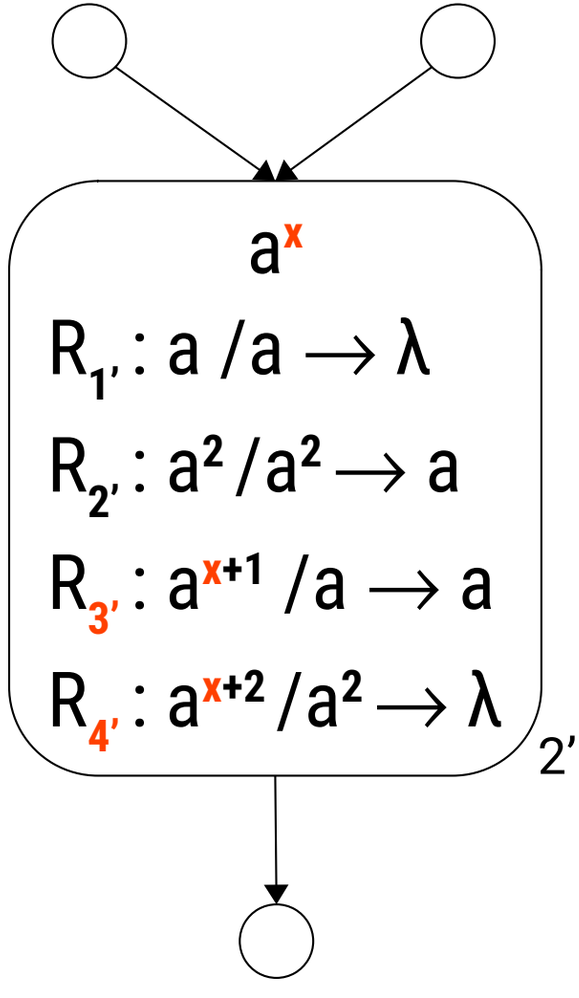
2

Homogeneous Neurons

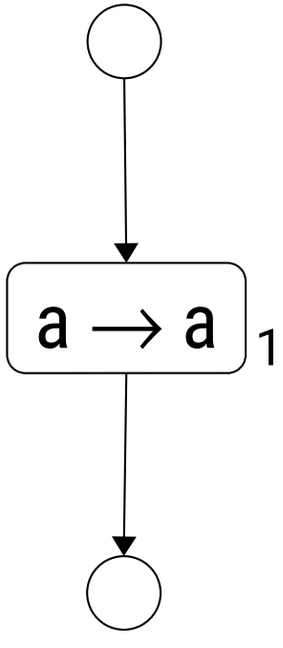


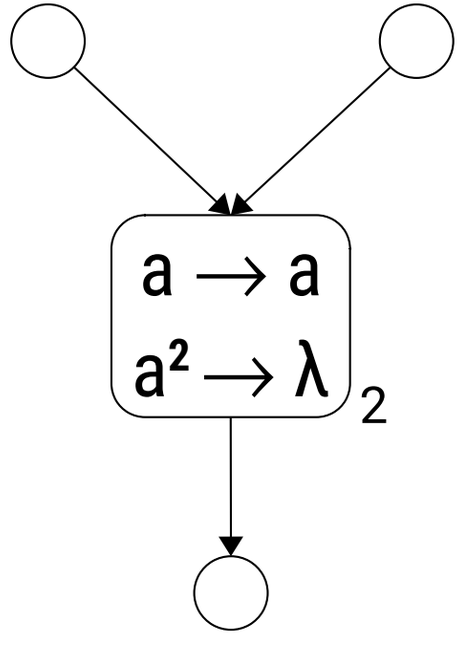
Homogeneous Neurons



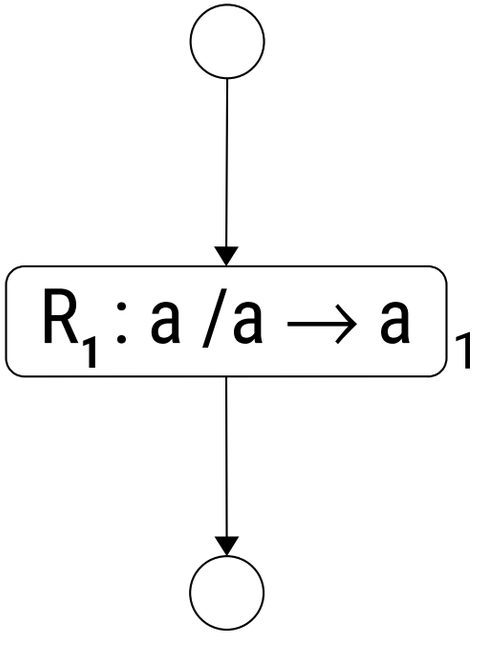


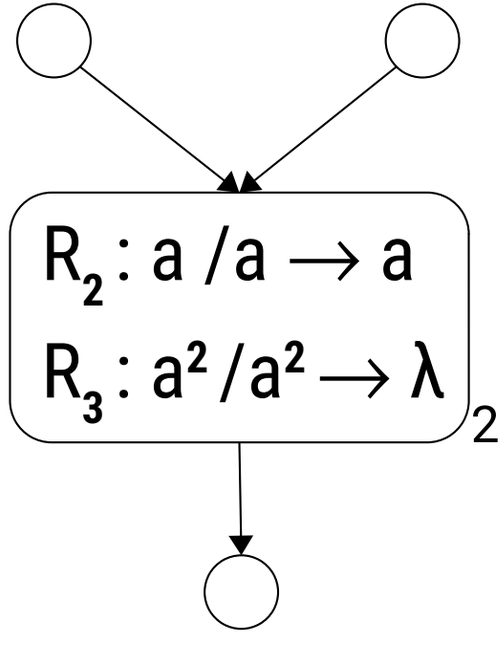
Homogeneous Neurons





Homogeneous Neurons





Homogeneous Neurons

Common Neuron

$R_1 : a\,/a \rightarrow a$

$R_{2'} : a^{x+1}\,/a \rightarrow a$

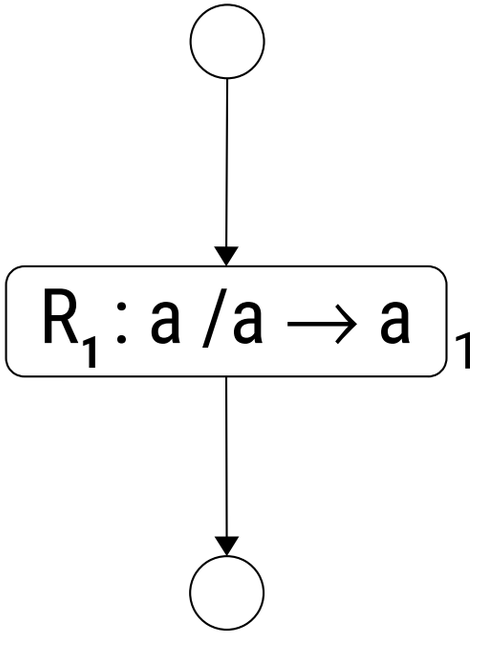
$R_{3'} : a^{x+2}\,/a^2 \rightarrow \lambda$ 0

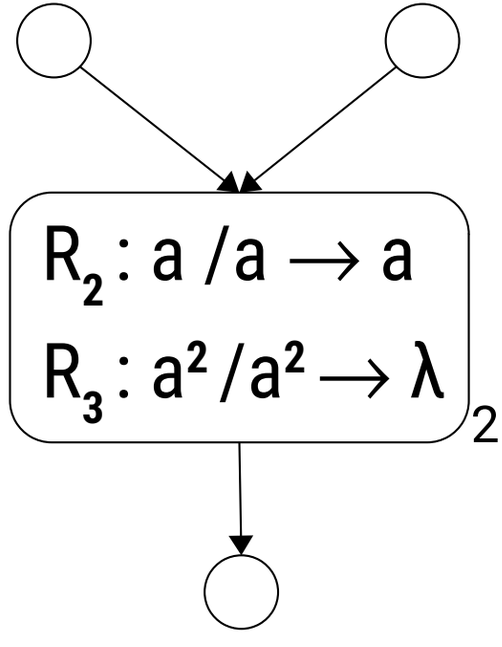
$R_1 : a\,/a \rightarrow a$ 1

$R_2 : a\,/a \rightarrow a$

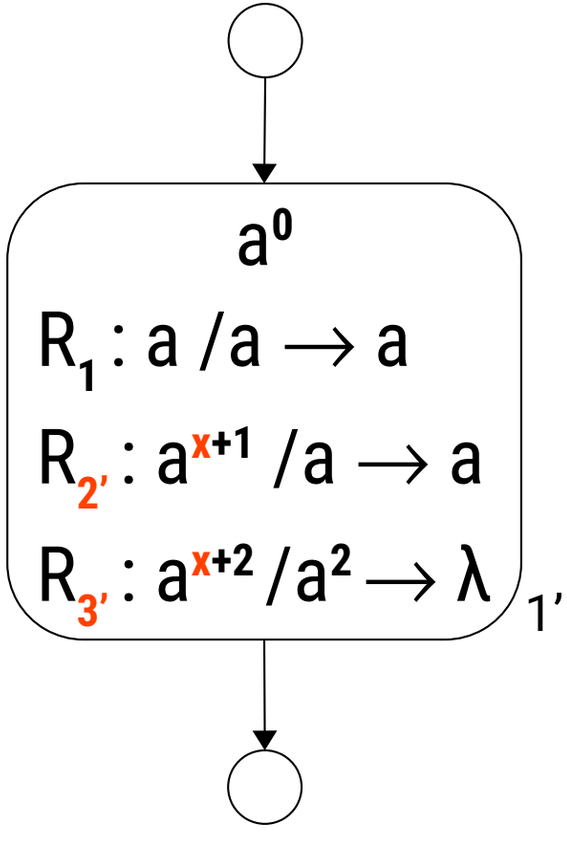
$R_3 : a^2\,/a^2 \rightarrow \lambda$ 2

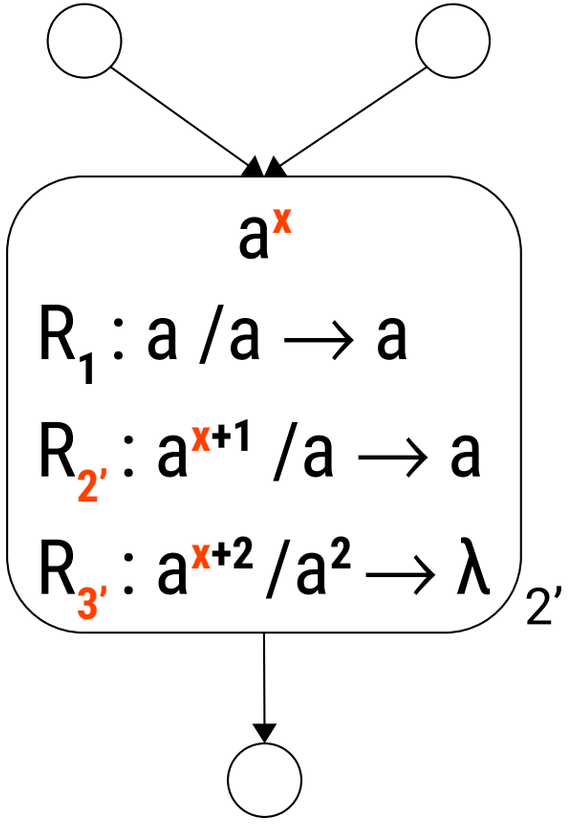
Homogeneous Neurons



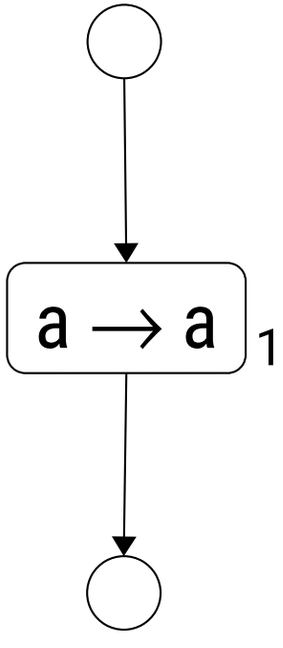


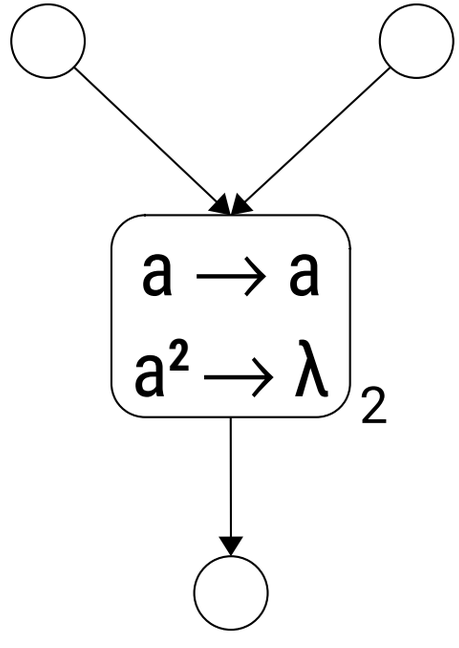
Homogeneous Neurons



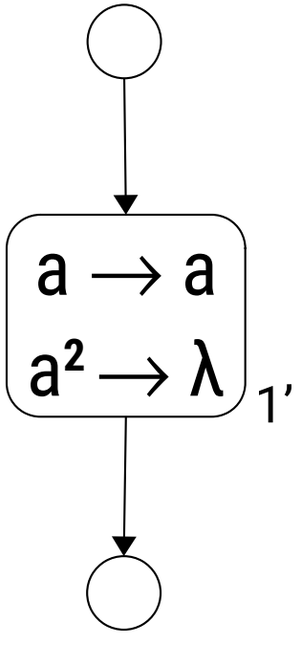


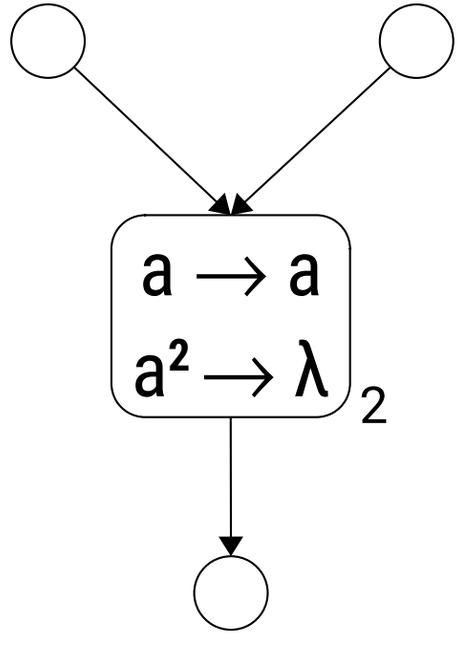
Homogeneous Neurons





Homogeneous Neurons





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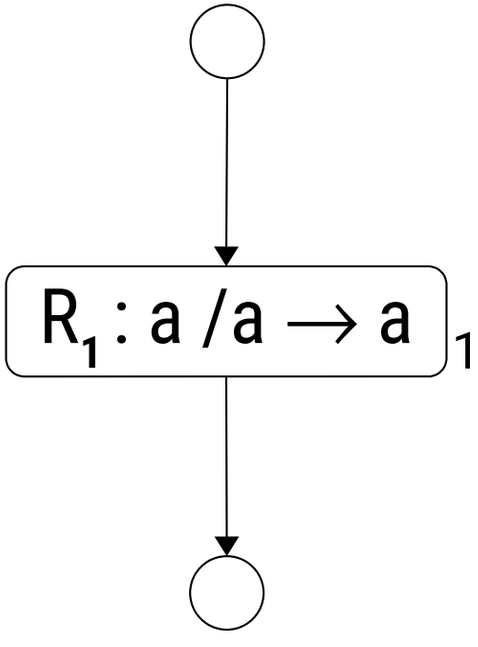

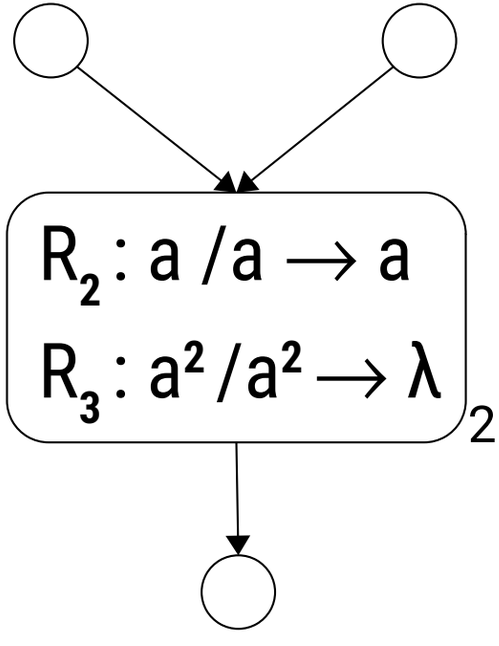

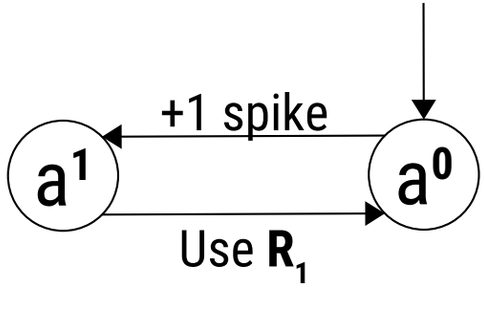

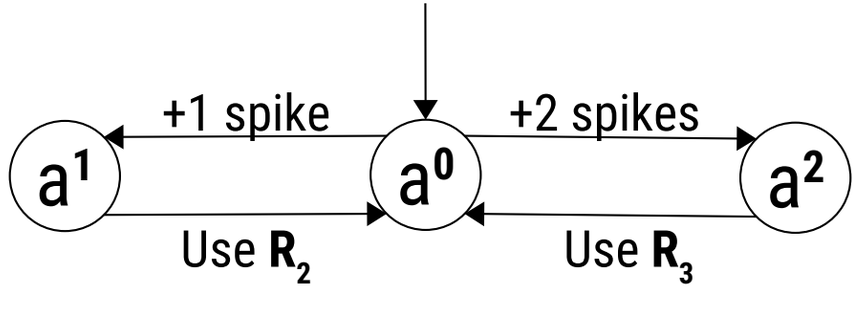

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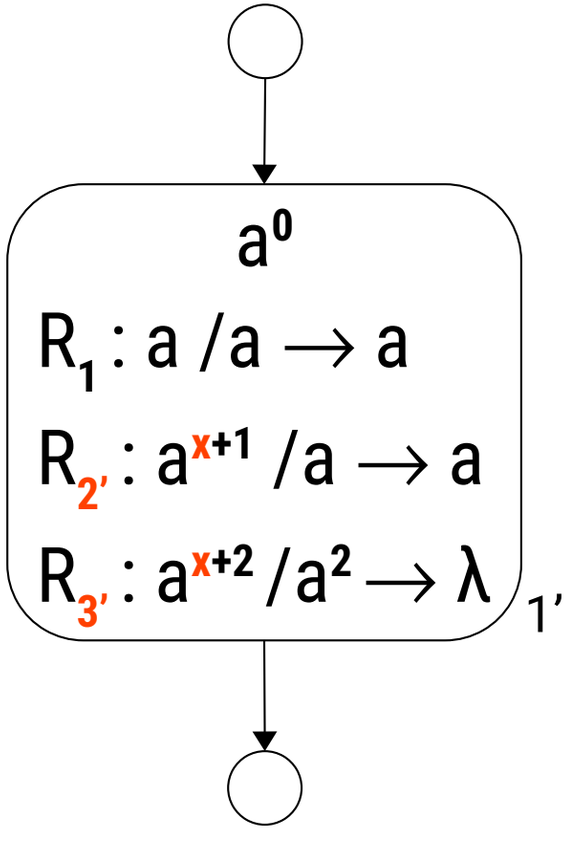

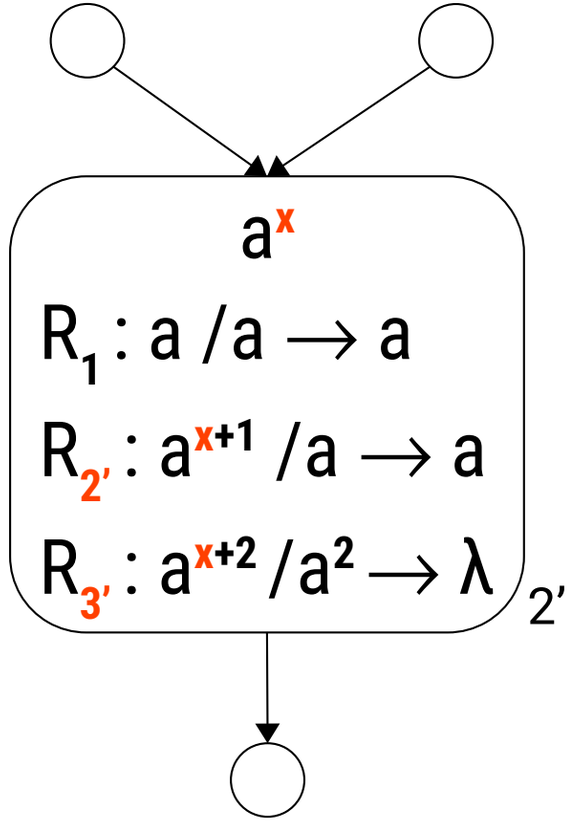

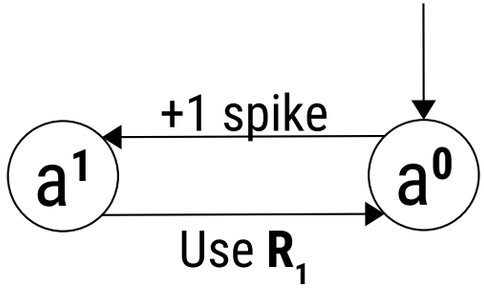

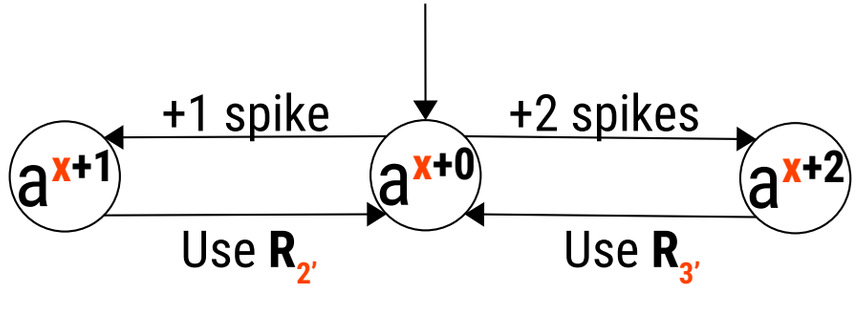

Homogeneous Neurons