Network: 1

After Generation: 27

### Structure

0



Weights

$$\begin{array}{l} [0,\,1] \rightarrow [2,\,0] \mbox{ -0.201105} \\ [0,\,2] \rightarrow [2,\,0] \mbox{ 0.177007} \end{array}$$

Bias

Neuron[0] 0.0230293 Neuron[1] -0.295846 Neuron[2] -0.370177 Neuron[3] -0.106937

Network: 2

After Generation: 104

# Structure

0



Weights

$$\begin{array}{l} [0,\,1] \rightarrow [2,\,0] \ \hbox{--}0.21073 \\ [0,\,2] \rightarrow [2,\,0] \ 0.185406 \end{array}$$

Bias

Neuron[0] -0.000146489 Neuron[1] -1.32154 Neuron[2] -1.45043 Neuron[3] -0.872268

Network: 3

After Generation: 6

### Structure



# Weights

$$\begin{array}{l} [0,\,1] \rightarrow [2,\,0] \mbox{ -0.788134} \\ [0,\,2] \rightarrow [2,\,0] \mbox{ 0.688076} \end{array}$$

# Bias

Neuron[0] 0.173315

Neuron[1] 0

Neuron[2] -0.197034 Neuron[3] -0.193133

After Generation: 4

Network: 4

# Structure

0



# Weights

 $\begin{array}{l} [0,\,2] \rightarrow [2,\,0] \ 0.804559 \\ [0,\,1] \rightarrow [2,\,0] \ \text{-}0.911789 \end{array}$ 

### Bias

Neuron[0] -0.156255 Neuron[1] 0.0322153 Neuron[2] 0.110733

Neuron[3] 0

Network: 5 After Generation: 200

### Structure

0

$$1 \xrightarrow{3} 5$$

$$\uparrow /$$

$$2 \xrightarrow{} 4$$

# Weights

# $\begin{array}{l} [0,\,2] \rightarrow [1,\,0] \ -0.66935 \\ [0,\,1] \rightarrow [1,\,0] \ -0.496359 \\ [0,\,2] \rightarrow [1,\,1] \ -0.0718772 \\ [1,\,1] \rightarrow [1,\,0] \ -0.321824 \\ [0,\,1] \rightarrow [2,\,0] \ 1.30113 \\ [0,\,2] \rightarrow [2,\,0] \ -0.325303 \\ [1,\,0] \rightarrow [2,\,0] \ -0.335319 \\ [1,\,1] \rightarrow [2,\,0] \ 0.204627 \\ \end{array}$

### Bias

Neuron[0]	0.563109
Neuron[1]	0.582995
Neuron[2]	-0.377392
Neuron[3]	0.0170293
Neuron[4]	0
Neuron[5]	1.114

Network: 6 After Generation: 3

# Structure

0



# Weights

$$\begin{array}{l} [0,\,2] \rightarrow [2,\,0] \; 0.307718 \\ [0,\,1] \rightarrow [2,\,0] \; \text{-}0.355754 \end{array}$$

### Bias

 $\begin{array}{c} {\rm Neuron}[0] \ \hbox{--}0.0151189 \\ {\rm Neuron}[1] \ 0.150255 \\ {\rm Neuron}[2] \ 0.0424512 \\ {\rm Neuron}[3] \ 0 \end{array}$ 

Network: 7 After Generation: 4

# Structure

0



# Weights

$$\begin{array}{l} [0,\,2] \rightarrow [2,\,0] \; 0.548497 \\ [0,\,1] \rightarrow [2,\,0] \; \text{-}0.627204 \end{array}$$

### Bias

Neuron[0] -0.0170232 Neuron[1] -0.0661763 Neuron[2] 0.277963 Neuron[3] -0.136631

Network: 8 After Generation: 8

# Structure

0



# Weights

$$\begin{array}{l} [0,\,2] \rightarrow [2,\,0] \; 0.492801 \\ [0,\,1] \rightarrow [2,\,0] \; \text{-}0.557799 \end{array}$$

### Bias

Neuron[0] -0.0688192 Neuron[1] -0.284085 Neuron[2] 0.0139103 Neuron[3] -0.0479568

Network: 9 After Generation: 7

### Structure

0



### Weights

$$\begin{array}{l} [0,\,1] \rightarrow [2,\,0] \mbox{ -0.587152} \\ [0,\,2] \rightarrow [2,\,0] \mbox{ 0.51865} \end{array}$$

### Bias

Neuron[0] 0.0260689 Neuron[1] -0.0604022 Neuron[2] -0.330326 Neuron[3] 0.173406

After Generation: 2 Network: 10

# Structure

0



# Weights

 $\begin{array}{l} [0,\,1] \rightarrow [2,\,0] \mbox{ -0.241737} \\ [0,\,2] \rightarrow [2,\,0] \mbox{ 0.214502} \end{array}$ 

# Bias

Neuron[0] 0.0395459 Neuron[1] 0 Neuron[2] -0.330674 Neuron[3] -0.0339976