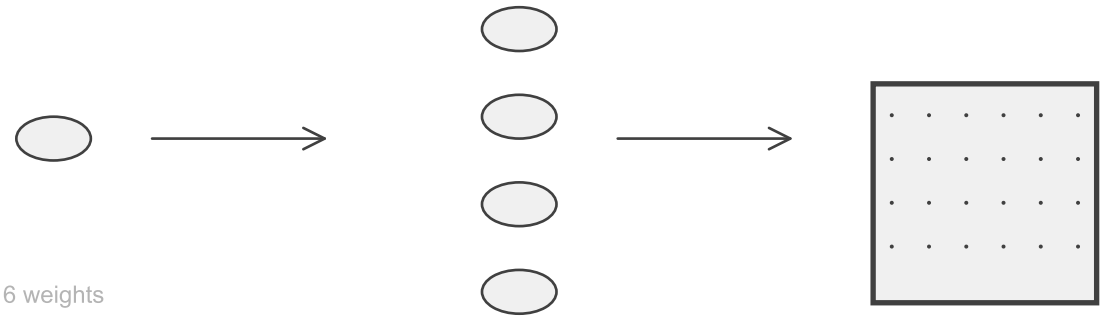
Single Neuron

Layer (4 neurons)

Matrix Notation



6 weights

24 weights!

$W_{4\times6}$

All weights
in one object!

Matrix Multiplication:

$$y = Wx + b$$

Computes all neurons at once!