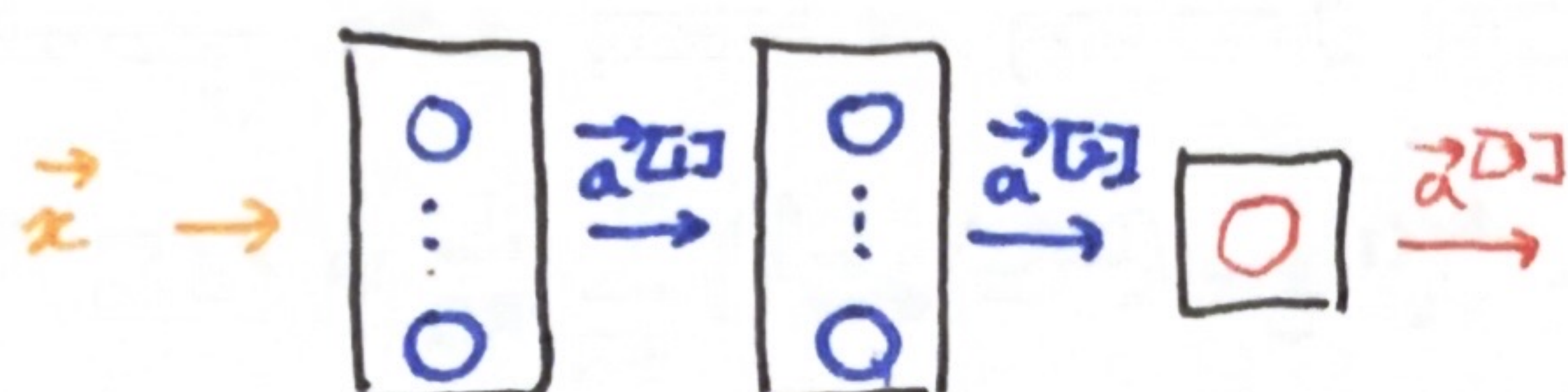


< Additional Layer Types >

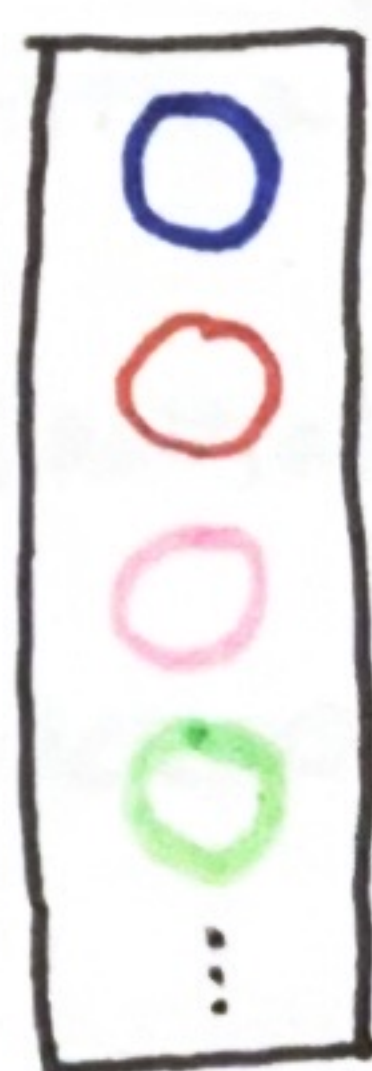
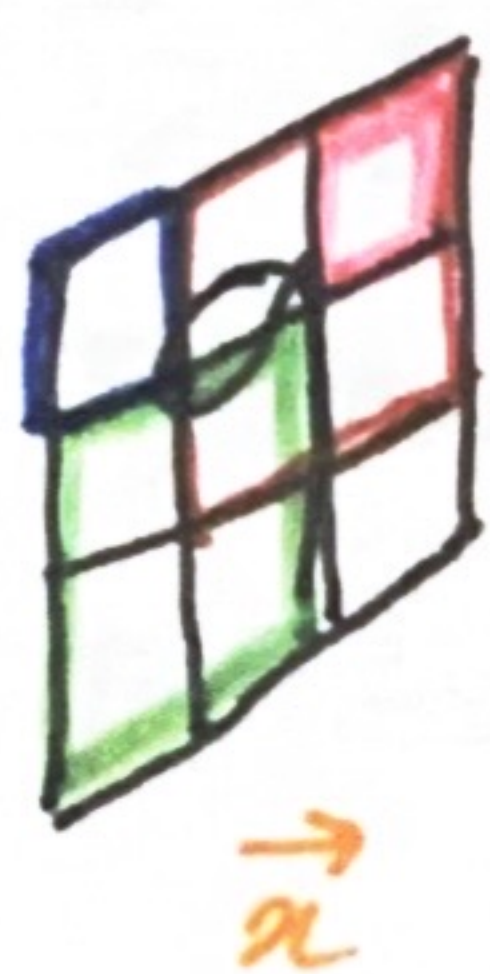
- dense layer: every neuron in a layer gets inputs all the activations from previous layer



Each neuron output is a function of all the activation outputs of the previous layer

- Convolutional layer

ex) handwritten digit



Each neuron only looks at part of the previous layer's inputs rather than looking all the inputs.

- Why?
- faster computation
 - need less training data (less prone to overfitting)

- Convolutional Neural Network: have multiple convolutional layers in a neural network.

ex) instead of 2D dimensional input, use 1D input

* ECG classification: voltages that correspond to heartbeat

