

# NN equations

$$h(x) = \vec{w} \cdot \phi(x)$$

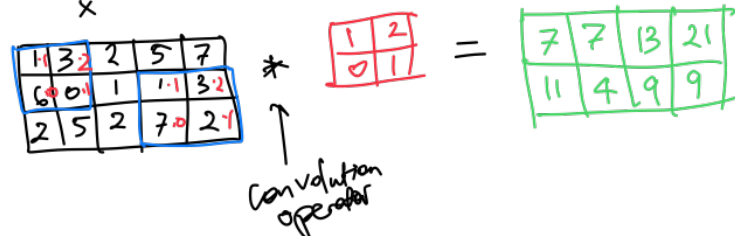
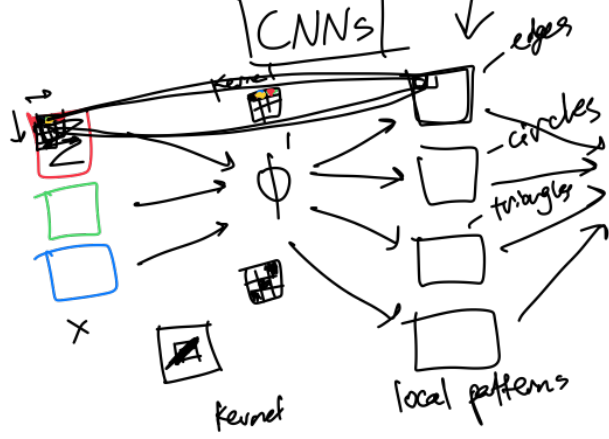
$$\phi(x) = \sigma(A \phi'(x))$$

$$\phi'(x) = \sigma(A'x)$$

Brain-View



"fully connected layers"

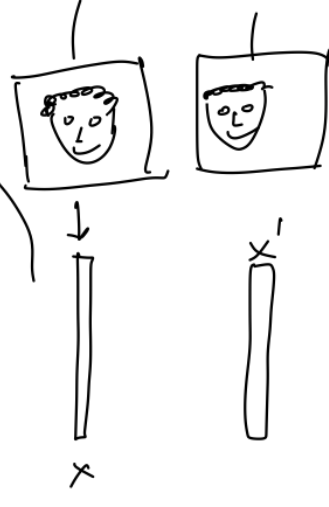


convolution operator

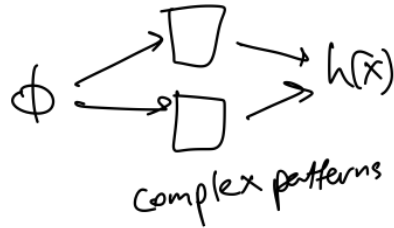
# Convolutional NNs

"translation invariance"

$$h(x) \approx h(x')$$



eyes (edges + circles)



Pooling Layer

