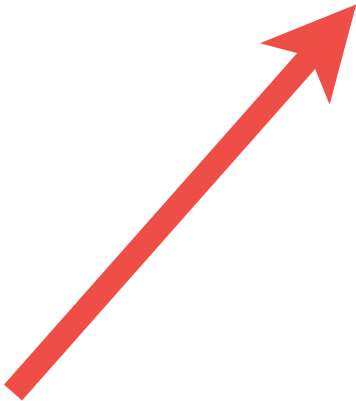


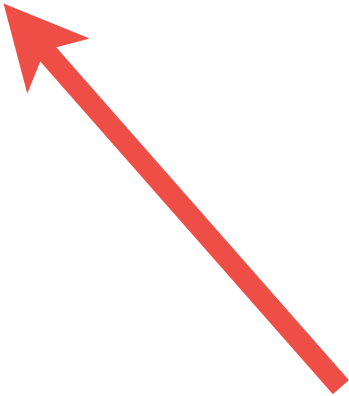
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Max-Pooling (Neuron)

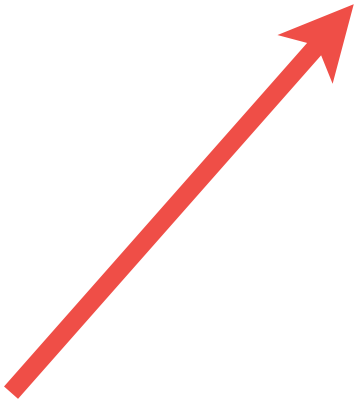


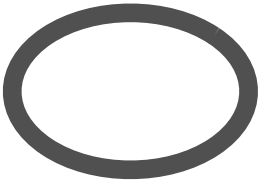


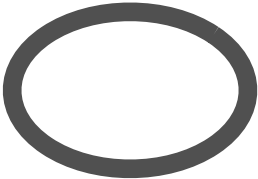


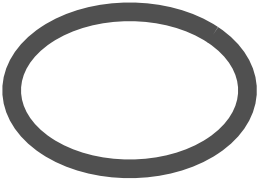








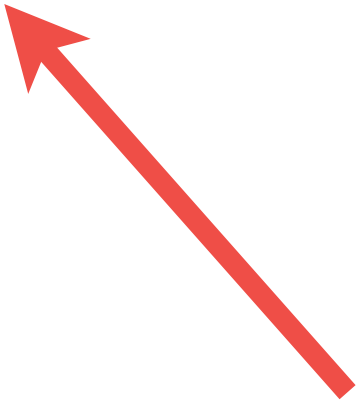


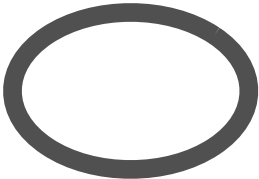


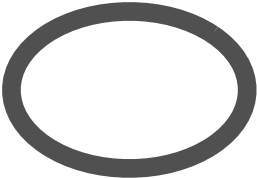


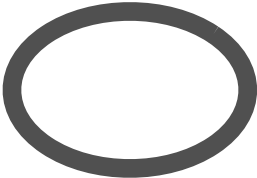


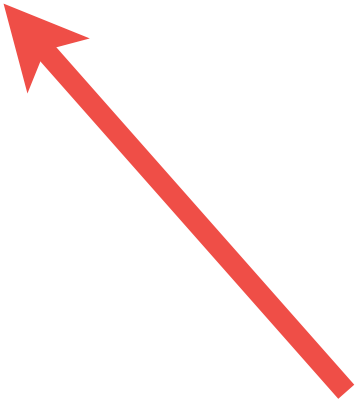


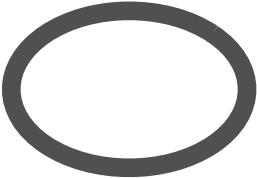


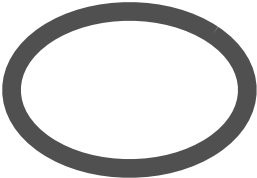








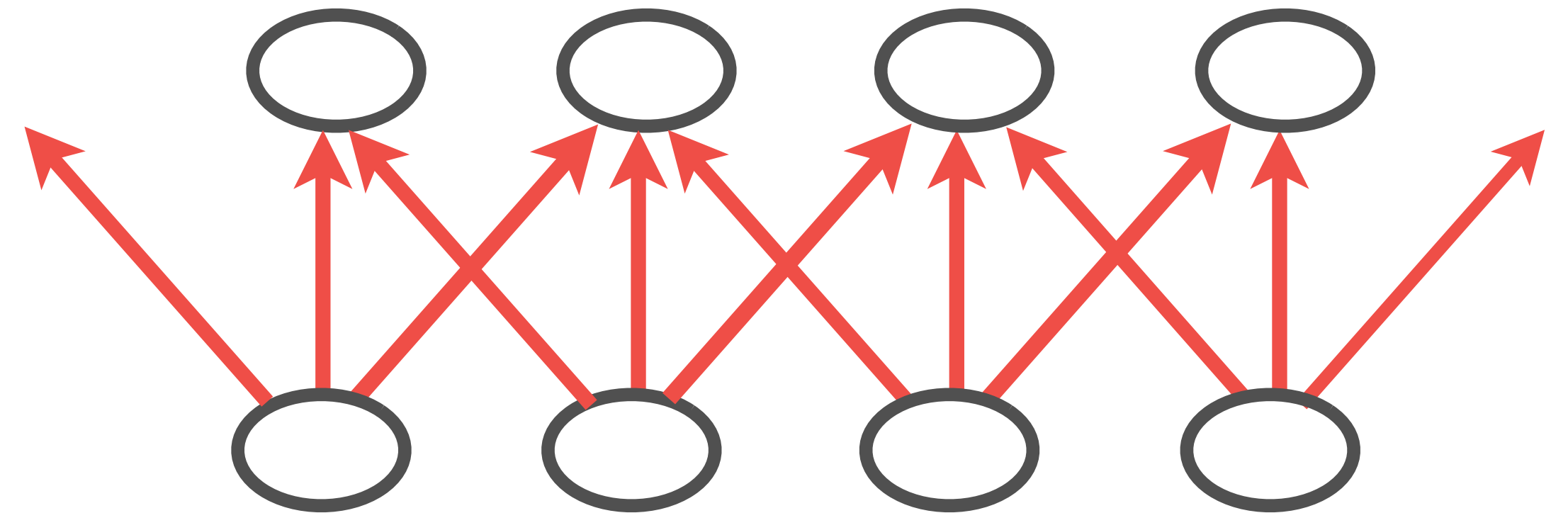




$$h_{i,i}^{r+1} = \sigma \left(c \max_{j=-s}^s h_{i-j}^r \right)$$

Max-Pooling (Neuron)

$$h_i^{r+1} = \sigma \left(c \max_{j=-s}^s h_{i-j}^r \right)$$



Convolution

$$h_i^{r+1} = \sigma \left(\underbrace{\sum_{j=-s}^s c_j h_{i-j}^r}_{z_i} \right) \quad (\mathbf{c} \circledast \mathbf{h})_i = \sum_{j=-s}^s c_j h_{i-j}$$

