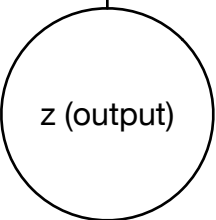
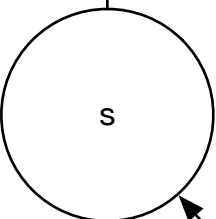


$$l = -y \ln z - (1 - y) \ln(1 - z)$$



$$z = \sigma(s) = \frac{1}{1 + e^{-s}}$$



$$s = \mathbf{w}^\top \mathbf{x}$$

