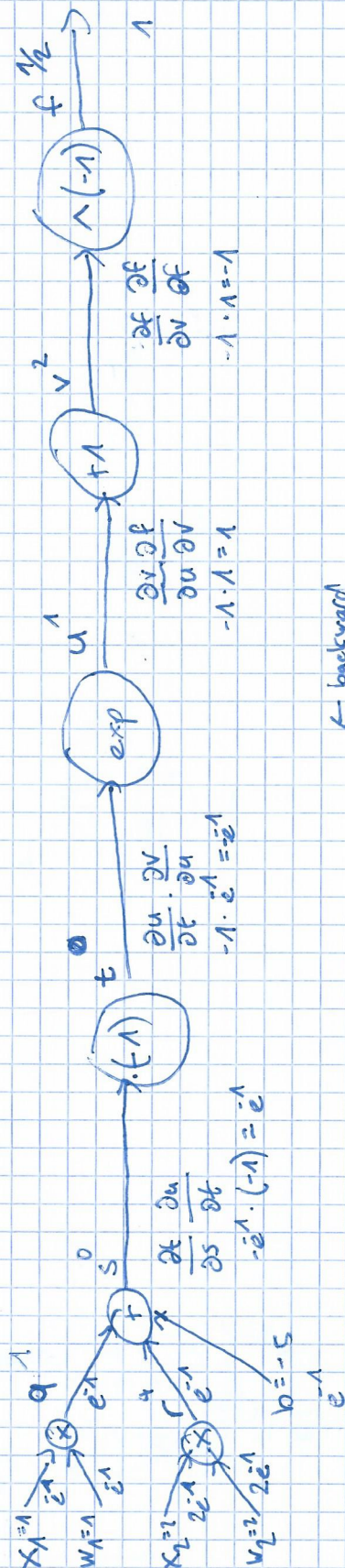


DL, PVG, ex 1

forward



backward

$$f = \frac{1}{1 + e^{-x}}$$

$$\frac{\partial f}{\partial v} = -\frac{1}{v^2}$$

$$v = u + b$$

$$u = \sum w_i x_i$$

$$\frac{\partial v}{\partial u} = 1$$

$$\frac{\partial v}{\partial s} = -1$$

$$s = q + b$$

$$\frac{\partial v}{\partial s} = 1$$

$$\frac{\partial v}{\partial w_i} = x_i$$

$$\frac{\partial v}{\partial x_i} = w_i$$

$$\frac{\partial v}{\partial w_i} = x_i$$

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