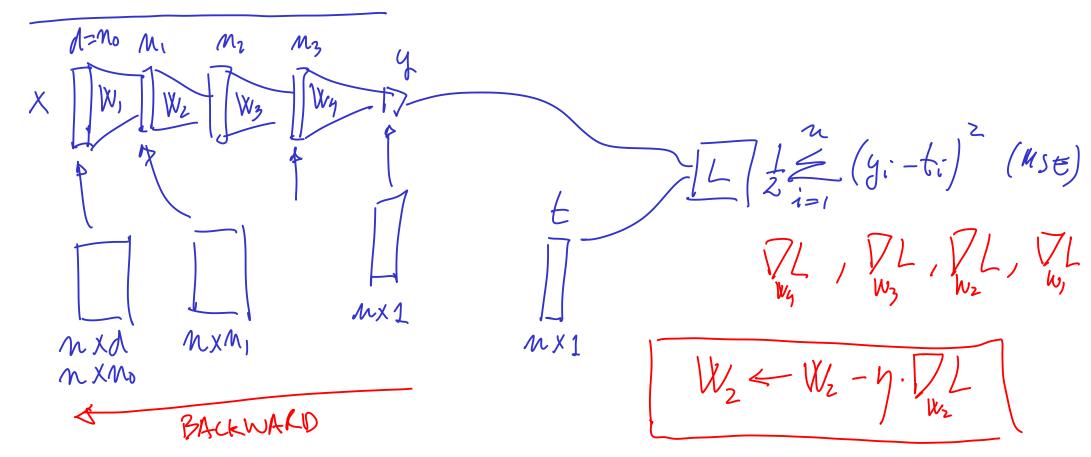


FORWARD)

PROCESAMIENTO POR LOTES (BATCHES): Xi no xn · n° de patrons en el batch dimensión de cada vector No W.X+b Moxh MIXM Moxn M, Xno MIX1

¿COMO ENTRENAMOS LA RED?



REGLA DE LA CADENA:

$$\frac{dy}{dx} = x + 2$$

$$\frac{dy}{dx} = 1$$

$$\frac{dy}{dz} = 1$$

$$\frac{y = x \cdot z}{dy} = z , \frac{dy}{dz} = x$$

$$y = 2x + z$$

$$x = 2$$

$$y = 2x + z$$

$$\frac{dy}{dx} = 2$$

$$\frac{dy}{dx} = 1$$

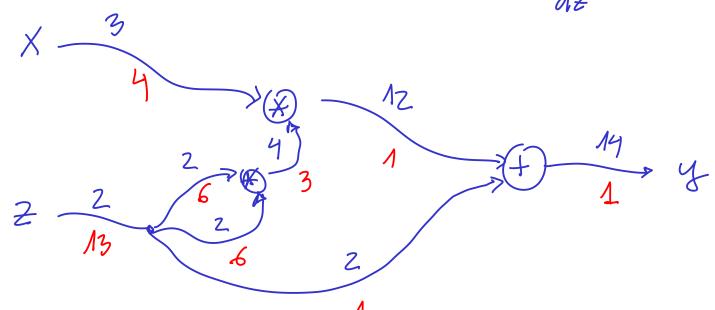
$$y = x^2$$

$$X = \frac{5}{10}$$
 pow 2  $= x^2$ 

$$\frac{dy}{dx} = 2x$$

$$y = (x \cdot z^2 + z)$$

$$\frac{dy}{dz} = 2xz + 1$$



$$\max(X, \Xi) = \begin{cases} X & \text{si} & X > \Xi \\ \Xi & \text{si} & X < \Xi \end{cases}$$

$$\frac{dy}{dx} = \begin{cases} 1 & \text{si } x \neq z \\ 0 & \text{si } < z \end{cases}$$

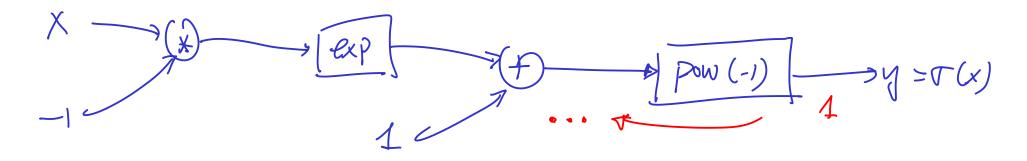
$$X \longrightarrow \boxed{T}$$

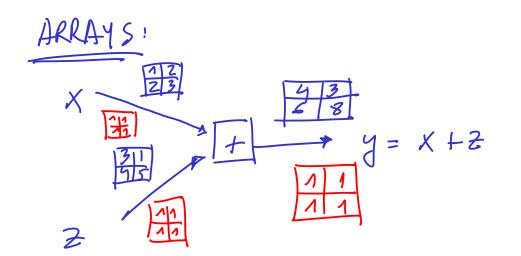
$$T(1-T)$$

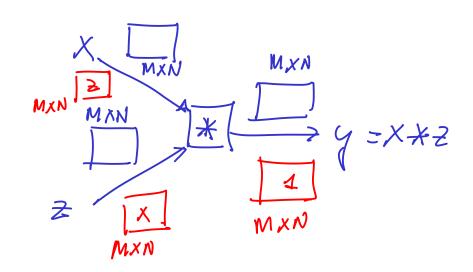
$$Y = T(X)$$

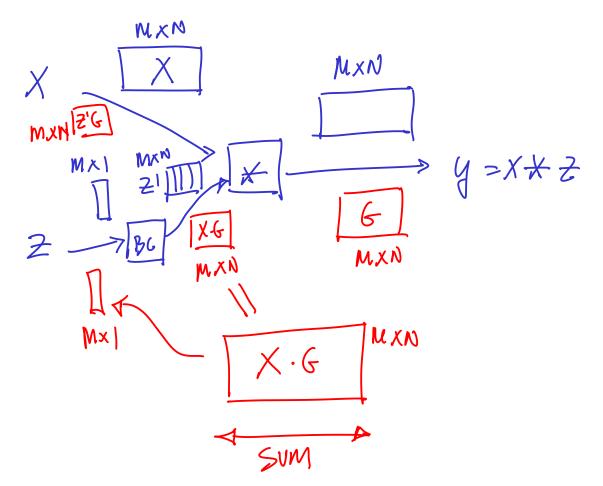
$$Y(X-Y)$$

$$T(x) = \frac{1}{1 + e^{-x}}$$









RECRESIÓN HARAL! 
$$y = X \cdot W + b = \frac{1}{|x|} \cdot \frac{1}{|x$$

