Primera capa
$$y^{(1)} = \sigma(w^{(2)}, x^{(1)} + b^{(1)})$$

$$z^{(1)} = \omega^{(1)}, x^{(1)} + b^{(1)}$$

$$z^{(2)} = \omega^{(1)}, x^{(1)} + b^{(1)}$$

$$z^{(2)} = (-0, 1, 0, 3189 + 0, 1, 0.09535 - 95, 93911) + 0, 1$$

$$z^{(2)} = (-0, 1, 0, 3189 + 0, 1, 0.09535 - 95, 93911) + 0, 1$$

$$z^{(2)} = z^{(1)}, z^{(1)} + z^{(1)}, z^{(1)} + z^{(1)}, z^{(1)} + z^{(1)}, z^{(1)}, z^{(1)} + z^{(1)}, z^{(1)},$$

 $\frac{\partial \mathcal{J}^{(2)}}{\partial \mathcal{J}^{(2)}} = \sigma'(\mathcal{Z}^{(2)}) = \sigma(\mathcal{Z}^{(2)}) \left(1 - \sigma(\mathcal{Z}^{(2)})\right) = \mathcal{J}^{(2)} \left(1 - \mathcal{J}^{(2)}\right)$ $\frac{\partial y^{(2)}}{\partial z^{(2)}} = 0.5226 \left(1-0.5226\right) \Rightarrow \frac{\partial z^{(2)}}{\partial z^{(2)}} = 0.2495$ $\frac{\partial J}{\partial w^{(2)}} = \frac{\partial J}{\partial y^{(2)}} \cdot \frac{\partial J}{\partial z^{(2)}} \cdot \frac{\partial J}{\partial w^{(2)}} = (-4, 4774) \cdot 0,2495 \cdot \begin{pmatrix} 0,3787 \\ 0,9535 \\ 0,8777 \end{pmatrix}$ $\frac{\partial \int_{a}^{b} = \frac{\partial}{\partial t} \cdot \frac{\partial}{\partial t} \cdot$ Para la cape 1. $\frac{\partial J}{\partial u^{(1)}} = \frac{\partial J}{\partial y^{(2)}} = \frac{\partial J}{\partial z^{(1)}} = \frac{\partial J}{$ $\frac{\partial \mathcal{Z}^{(2)}}{\partial x^{(2)}} = \omega^{(2)} = (-0.4, 0.2, -0.5)$ (0,047). (1,8 (0,047). (-3,4) $\frac{\partial x^{(i)}}{\partial z^{(i)}} = \sigma'(z^{(i)}) = \sigma(z^{(i)}) \left(1 - \sigma(z^{(i)})\right) = y^{(i)} \left(1 - y^{(i)}\right)$ $\frac{\partial x}{\partial z^{(1)}} = \begin{cases} 0, 107 \\ 0, 049 \\ 0, 092 \end{cases}$) -> \\ \frac{\gamma_{(1)}}{\gamma_{(1)}} = \begin{pmatrix} 0 \, 16 \\ -0,30 \end{pmatrix} $\frac{\partial J}{\partial \omega^{(1)}} = (-4,4774)(0,2495)(-0,0797)(\frac{1,8}{-3,4})$