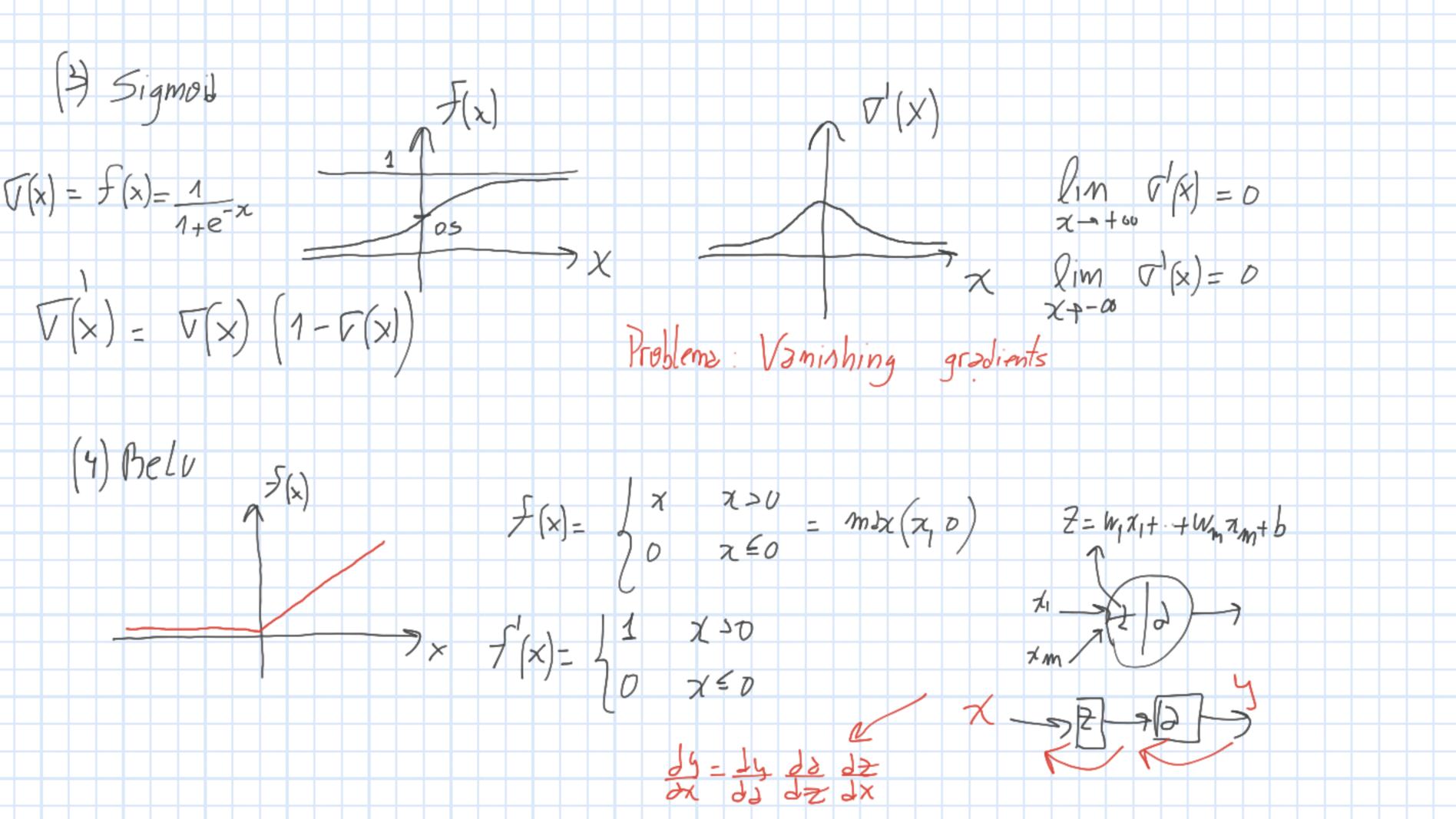
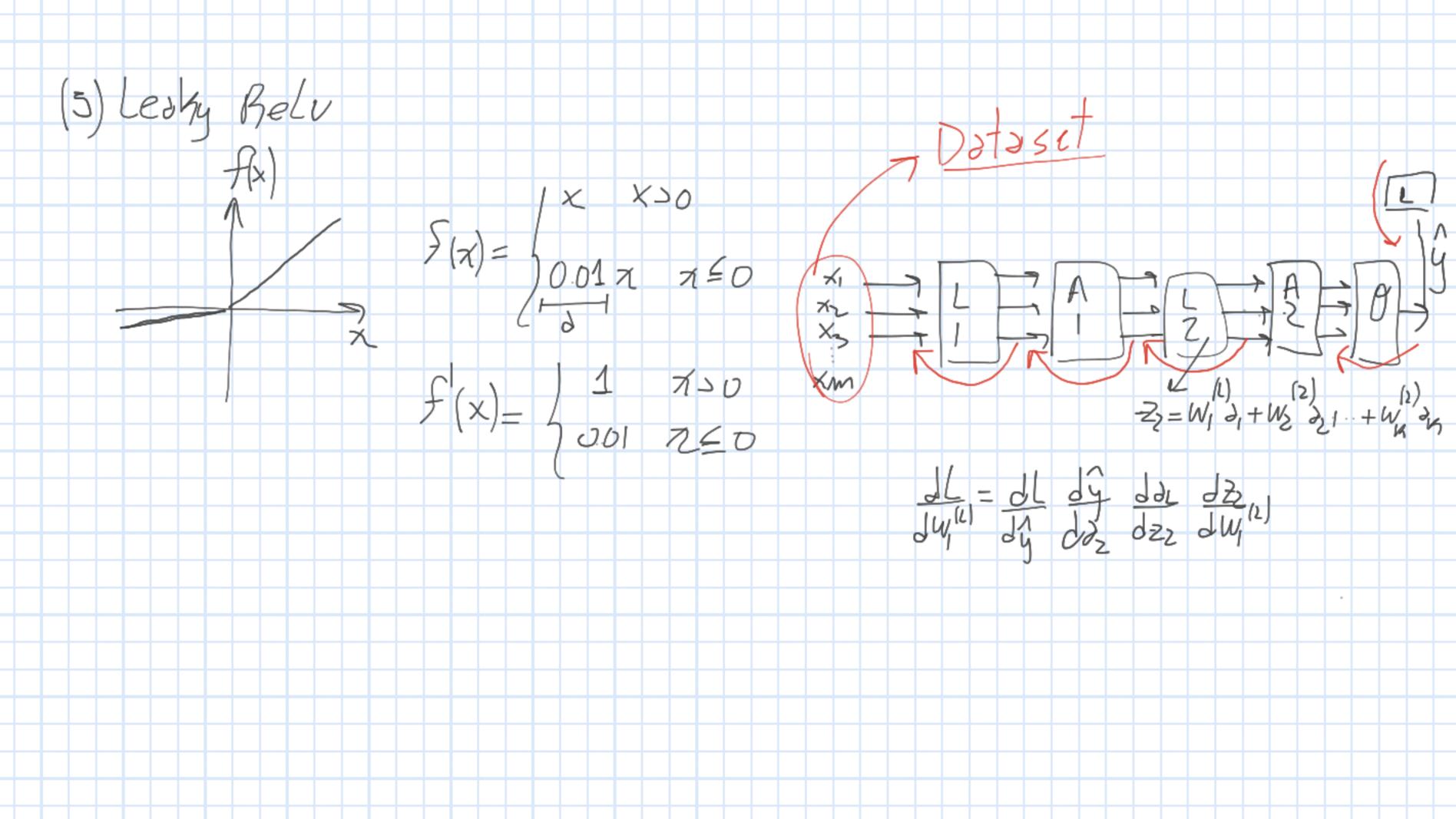
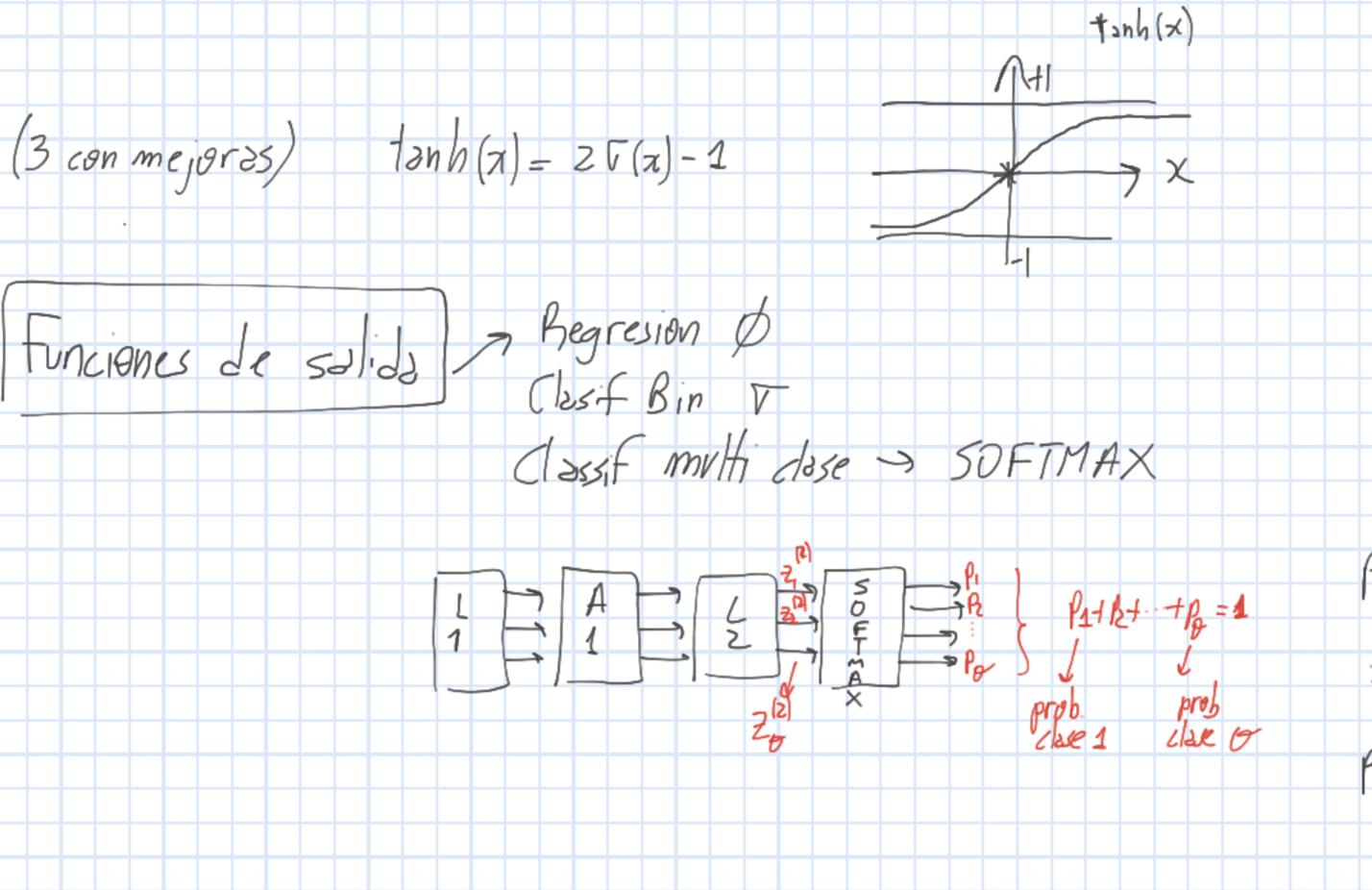
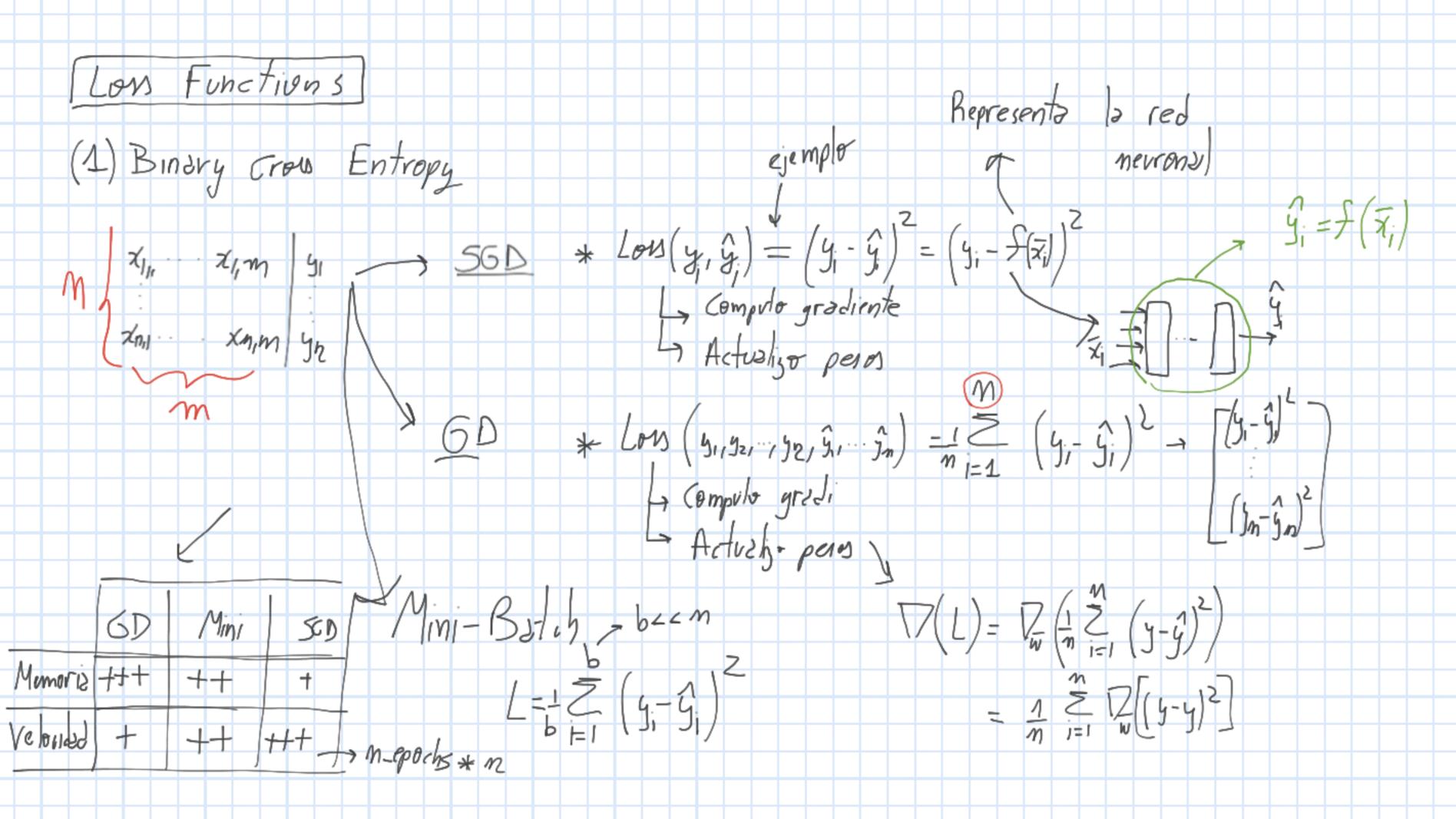
unciones de activación (1) No USDr Func. 2ct. ¿ Qué problema tiene Ester es un madela lineal 2) Agreyar Junc. 2ct. / 4=f(\bar{x}) preda ser cualquier & oprendice por la rel Qué problemo tiene esto f(x)? WF W - X DL vole









Moder la sulida en función de la entrado $\mathbb{P}(\hat{Y}_{i}=1|X=\bar{x})=p$, $p=\nabla(\hat{f}(\bar{x}))$ red neuronal parametros desconocidos YIX;=x; N Bernoulli (p) - encontrer los to que meximien $\left(\begin{array}{c} Y_1 | \overline{X}_1 = \overline{X}_1 & n & \frac{1}{2} | \overline{X}_2 = \overline{X}_2 & n & n & \frac{1}{2} | \overline{X}_n = \overline{X}_n \end{array} \right) = \prod_{i=1}^{n} \mathbb{P} \left(\frac{1}{2} | X_i | \overline{X}_i \right)$ o observado ∂rg min - TT IP(Y, |X,-ε,) Y=y, |X,-ε, | Y=y, |X,-ε, | 2rg min - 1 \(\frac{1}{m} \) 2tg min - 1 log (TT P(Y, X, =xi)) 2rg min - 1 \(\frac{m}{2} \) \(\lambda g \) \(\begin{array}{c} \begin{array}{c} \mathbb{M} \\ \mathbb{M} \\ \mathbb{M} \\ \mathbb{I} \\ \ma ∂rg min - 1 ≥ y; log (Pi) + (1-yi) log (1-Pi)) ary min -1 > y, ly (\(\frac{\f

$$\overline{z} \rightarrow \widehat{f} \qquad \overline{z} \qquad \overline{z} = f(\overline{z}_1)$$

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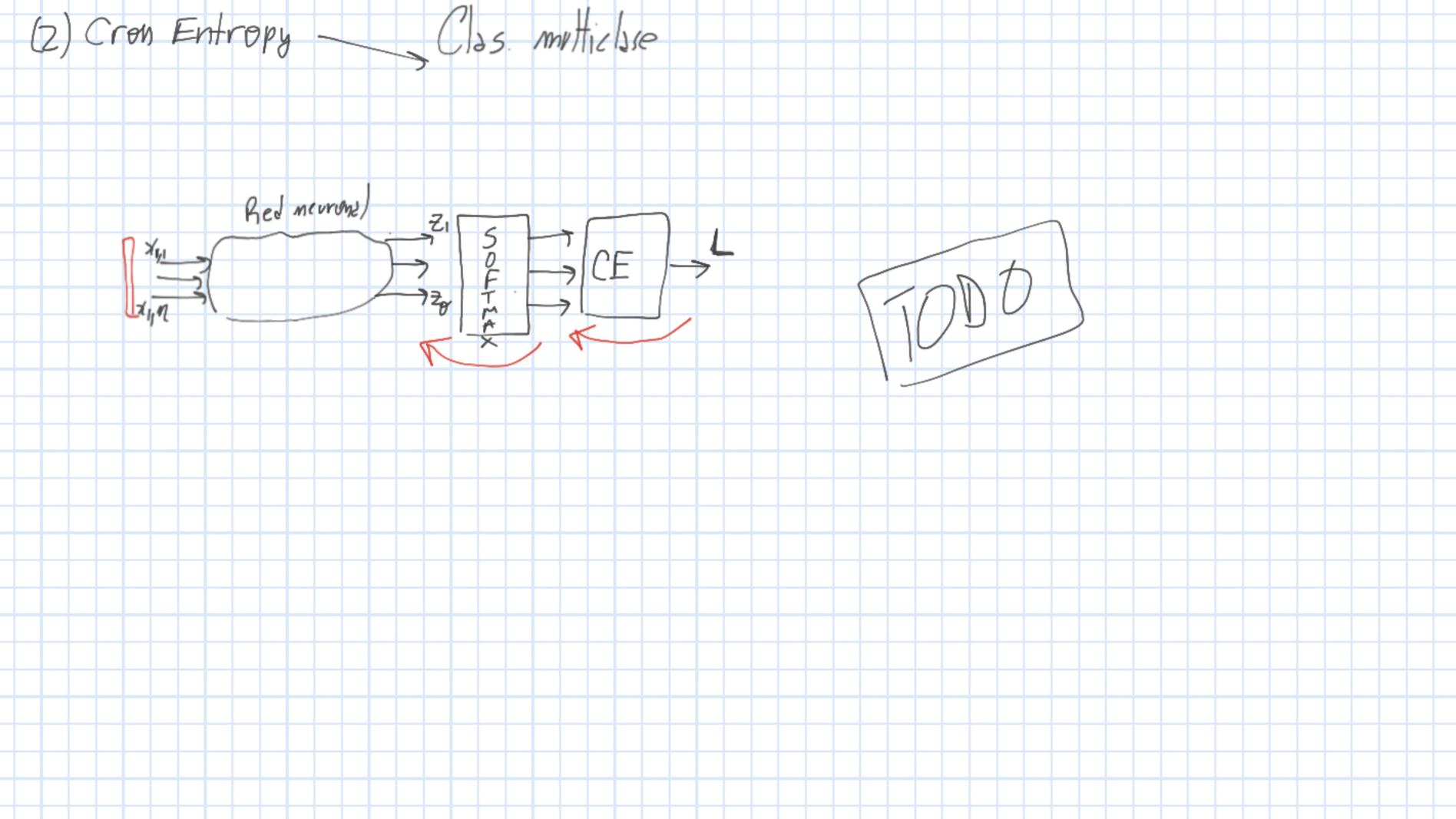
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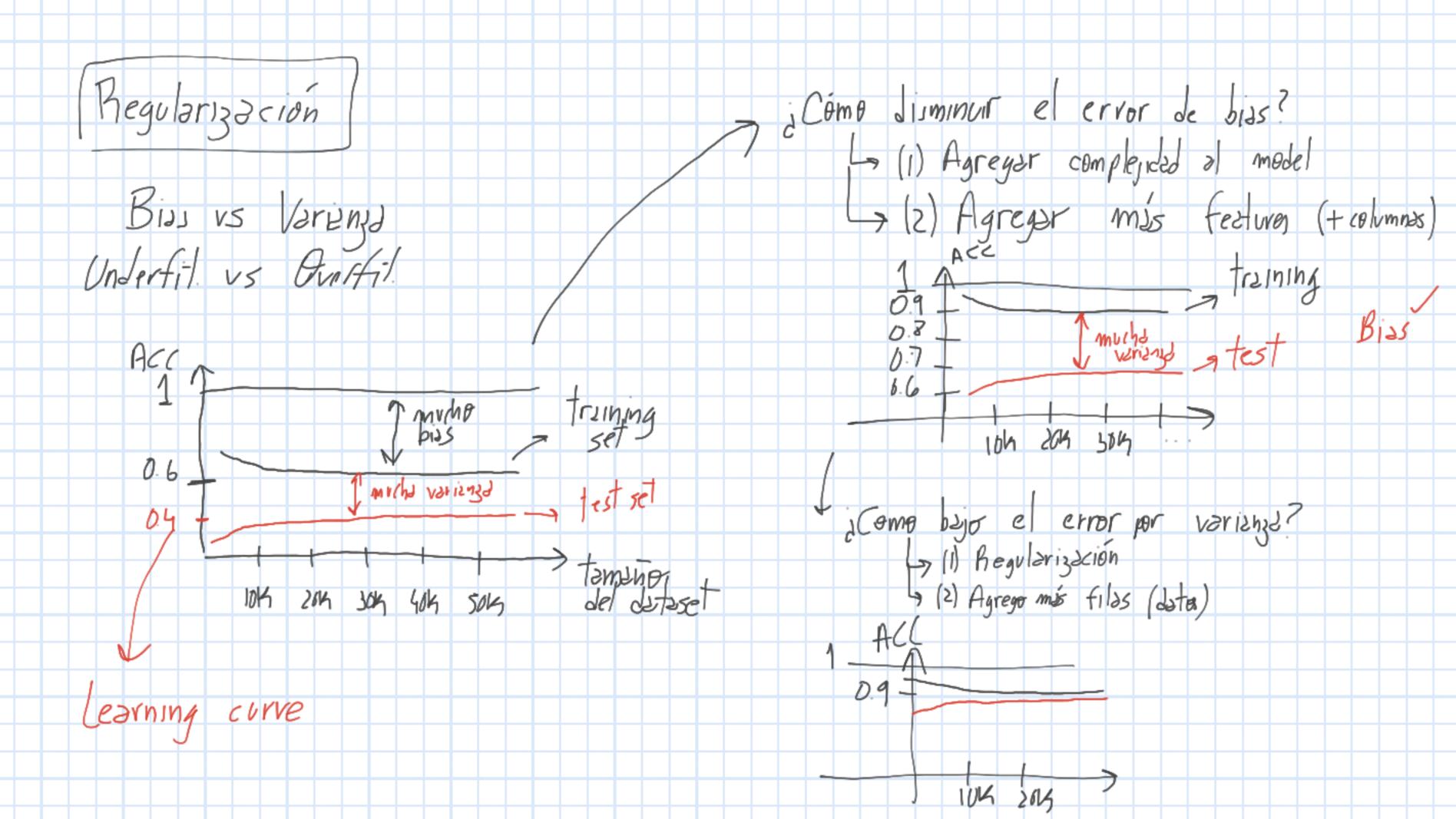
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$$\overline{z} \rightarrow f(\overline{z}_1)$$

$$\overline{z}$$





Ac(w) 3 cián de | param Janconocido

$$\overline{W} \leftarrow \overline{W} - \alpha \overline{V}(\overline{J})$$
 $\leftarrow \overline{W} - \alpha \overline{V}(\overline{J}) + \lambda \overline{W}$
 $\leftarrow \overline{W} - \alpha \lambda \overline{W} - \overline{V}(\overline{J})\alpha$
 $\leftarrow (1 - \lambda \alpha) \overline{W} - \alpha \overline{V}(\overline{J})$

(2) Efecto sobre el modelo

 $\hat{Y} = \overline{W} \times \overline{W} = (\overline{X} \times \overline{X})^{-1} \overline{X}^{-1} \overline{X}^$