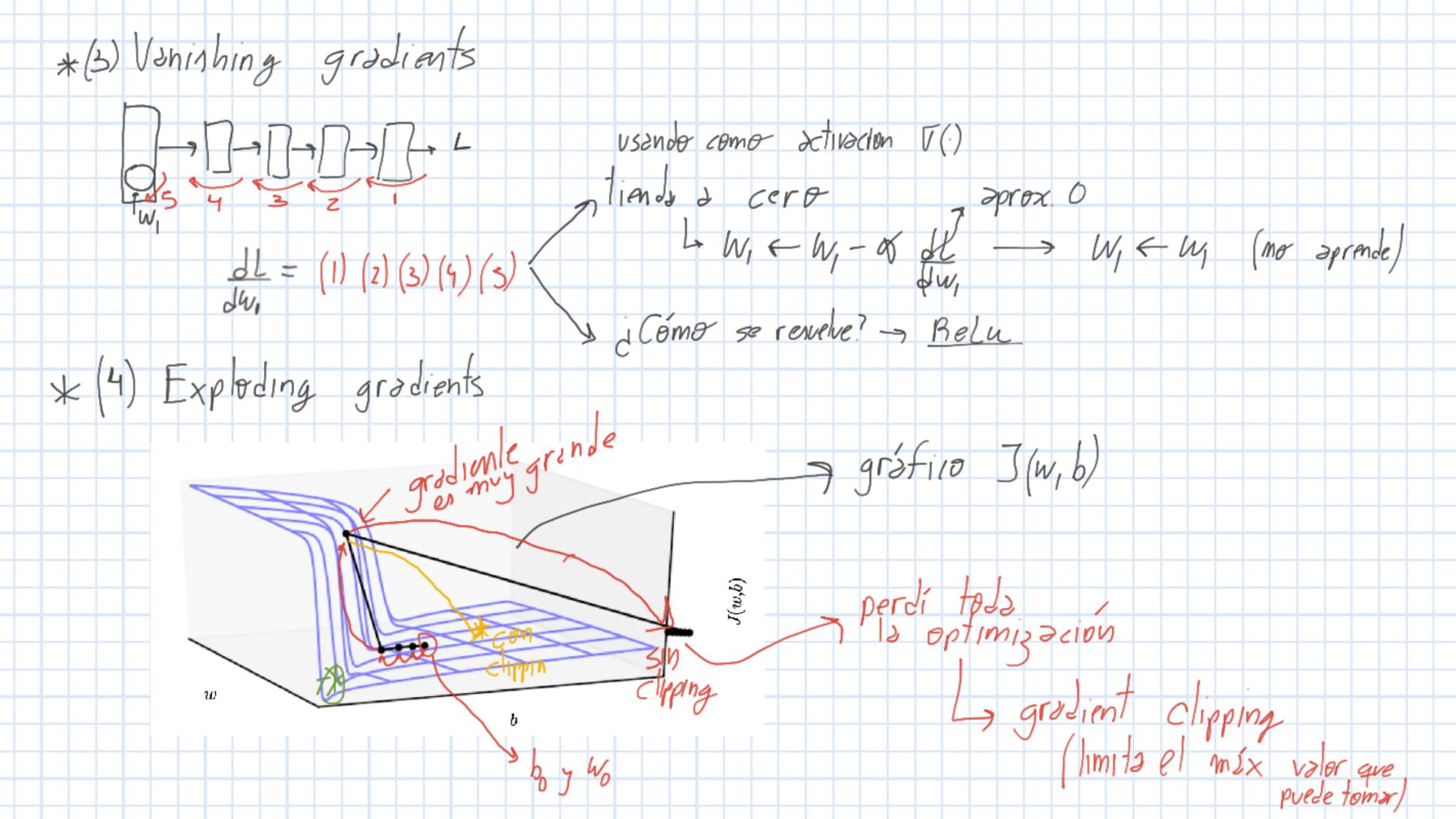
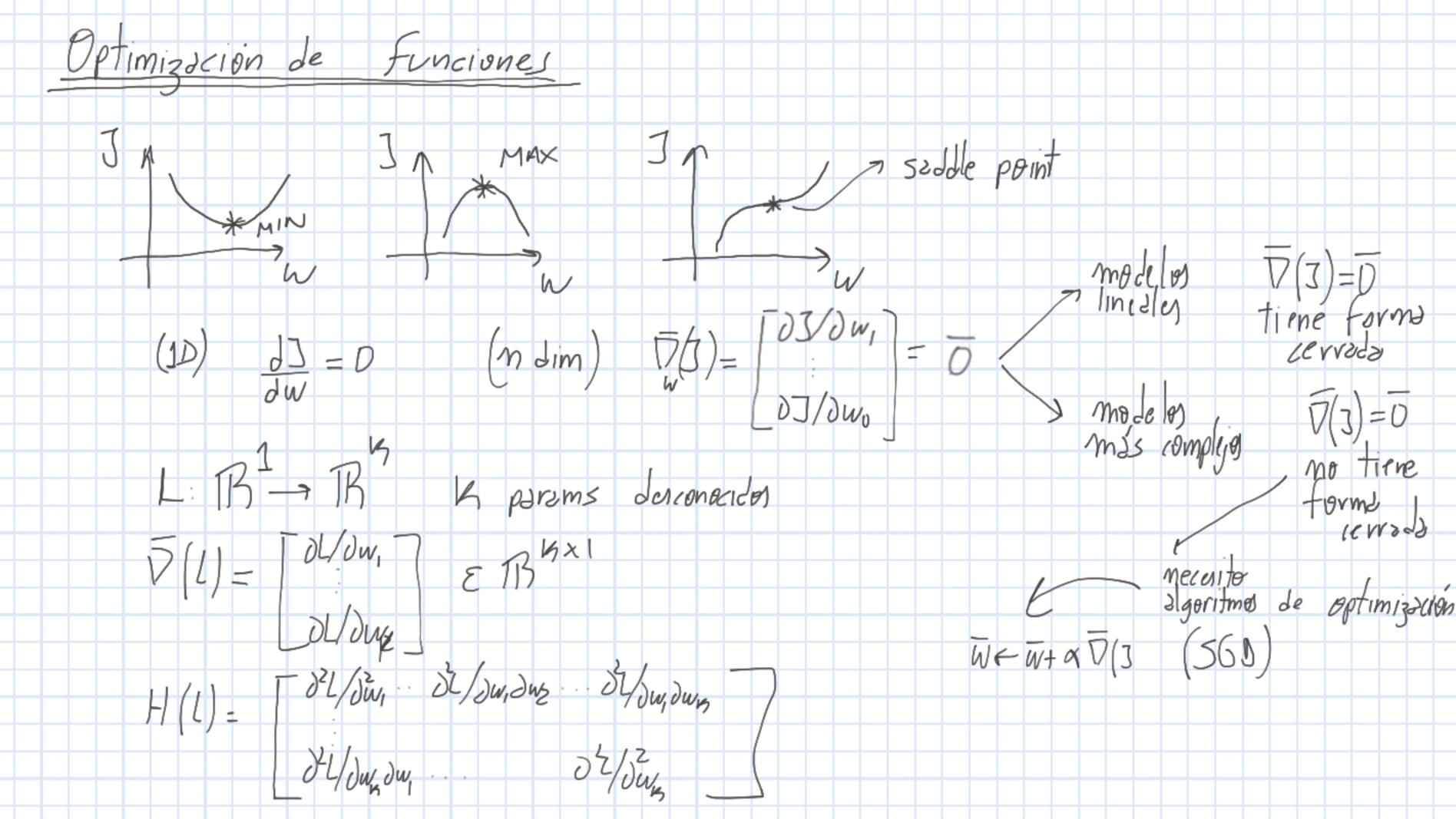


* (2) Data mormulization

Una fila
$$/ \frac{x_{11}}{x_{11}} = \frac{1}{2}$$
 Red

del dalaset $/ \frac{x_{11}}{x_{11}} = \frac{1}{2}$ Neuronal $\frac{1}{2}$ $\frac{1}{2}$





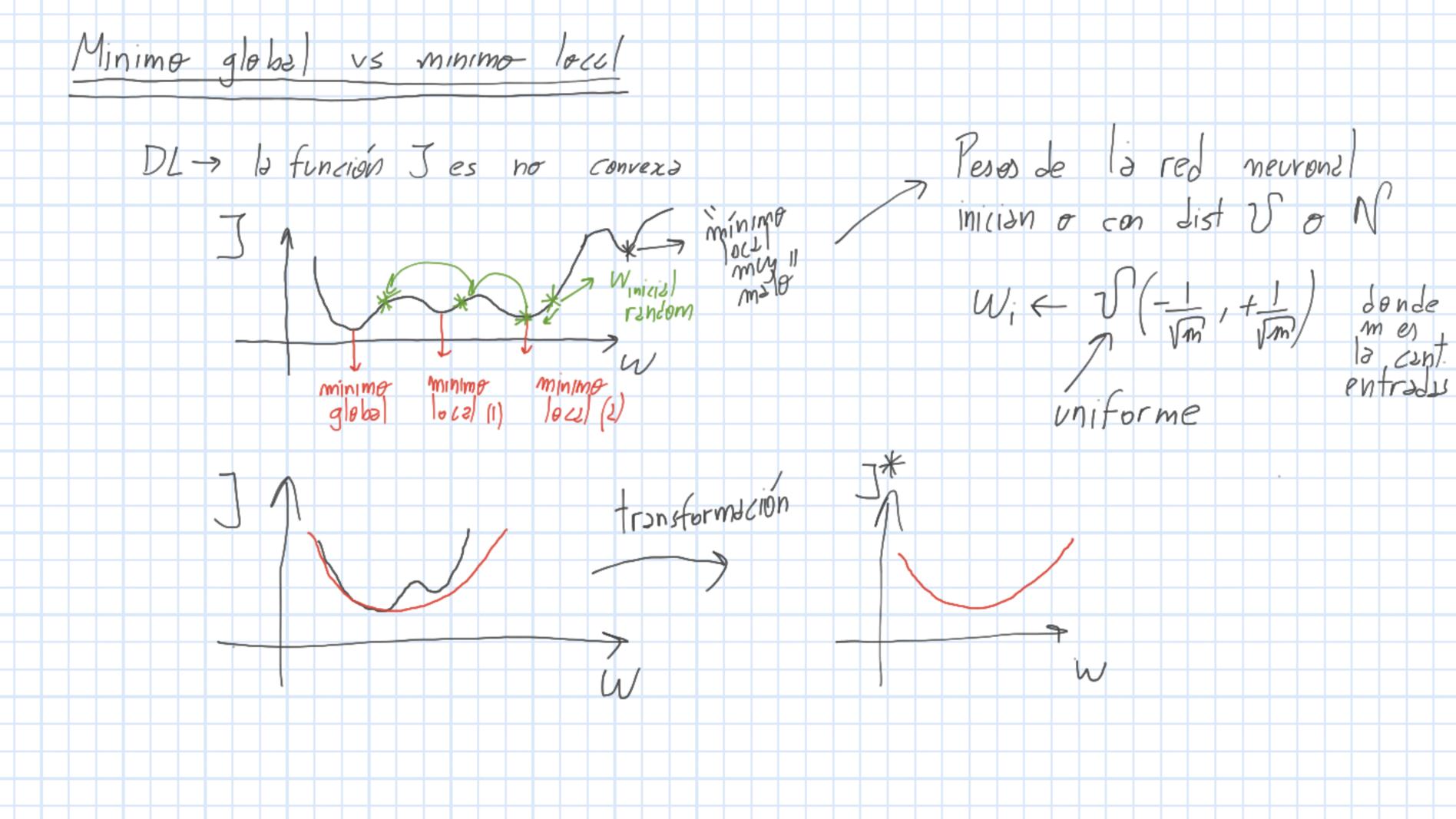
Punto:
$$\overline{W}_{o}$$
, $J(\overline{w}_{o})$ distant $J(\overline{w}) \approx J(\overline{w}_{o}) + (\overline{w} - \overline{w}_{o})^{T} PJ + \frac{1}{2} (\overline{w} - \overline{w}_{o})^{T} PJ + \frac{1}{2} (\overline{w} - \overline{w}_{o})^{T} PJ + \cdots$
Taylor

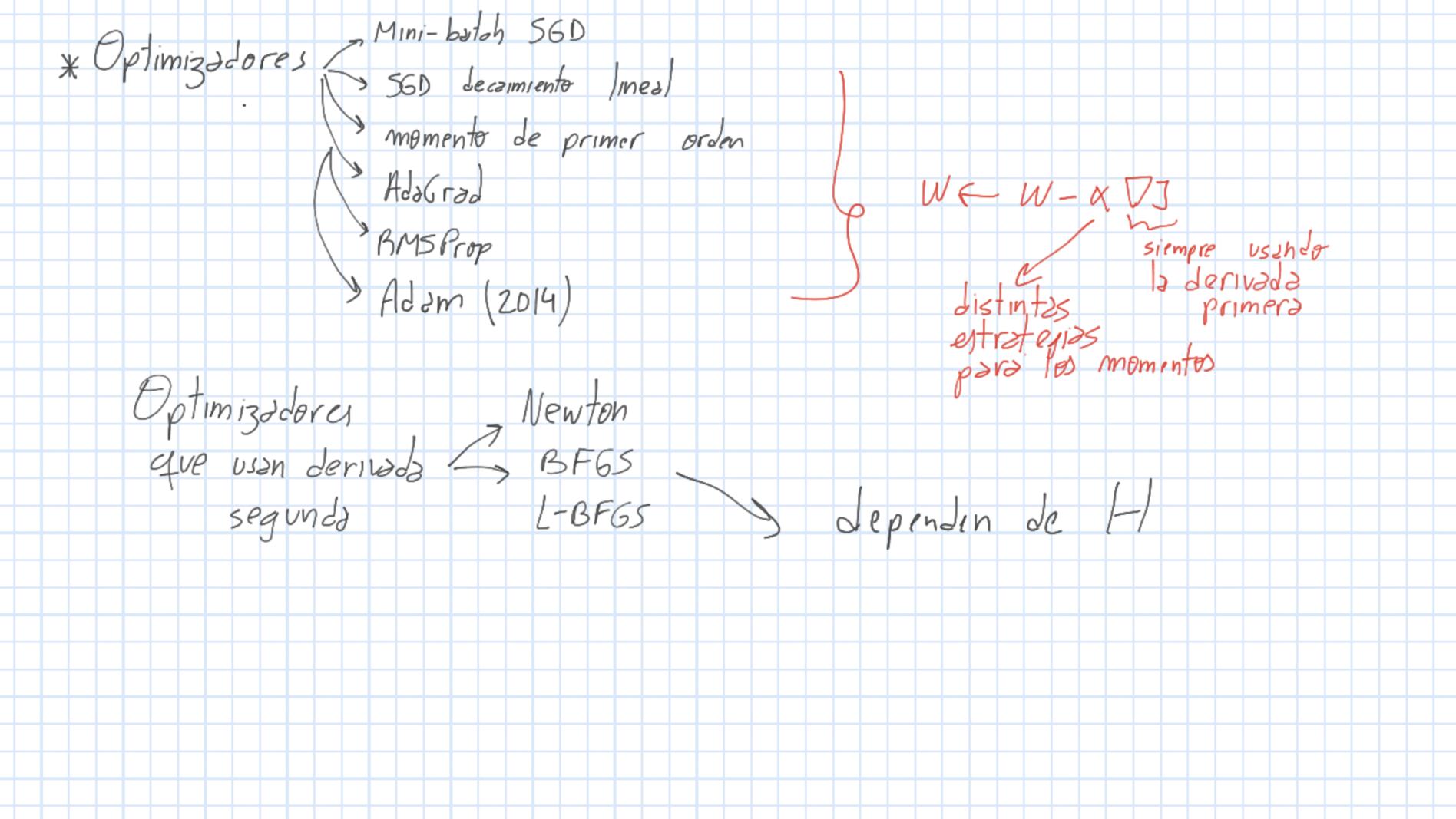
$$L \Rightarrow E = \frac{\partial ct}{\partial x}$$

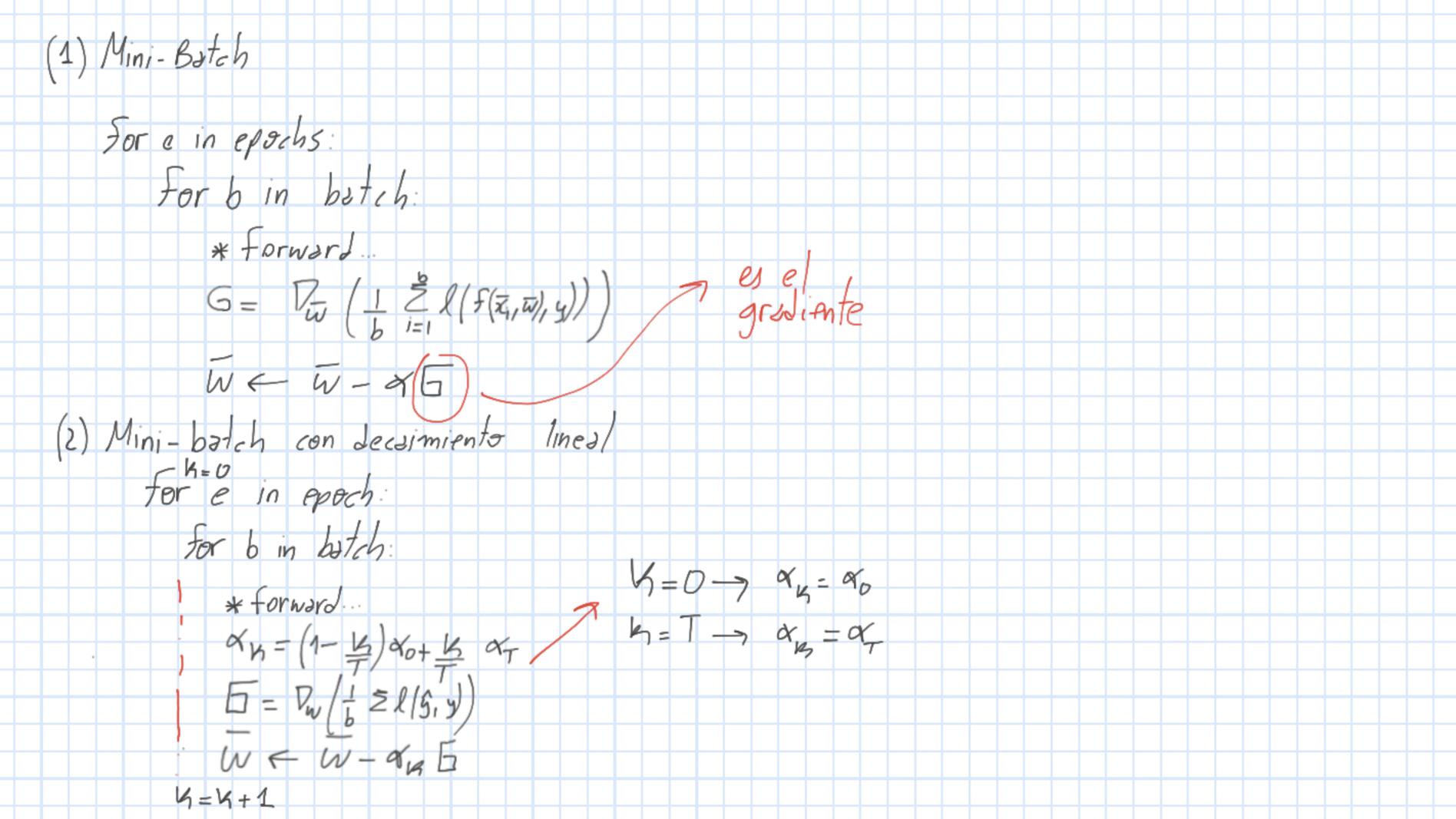
$$L \Rightarrow E = \frac{\partial ct}{\partial y}$$

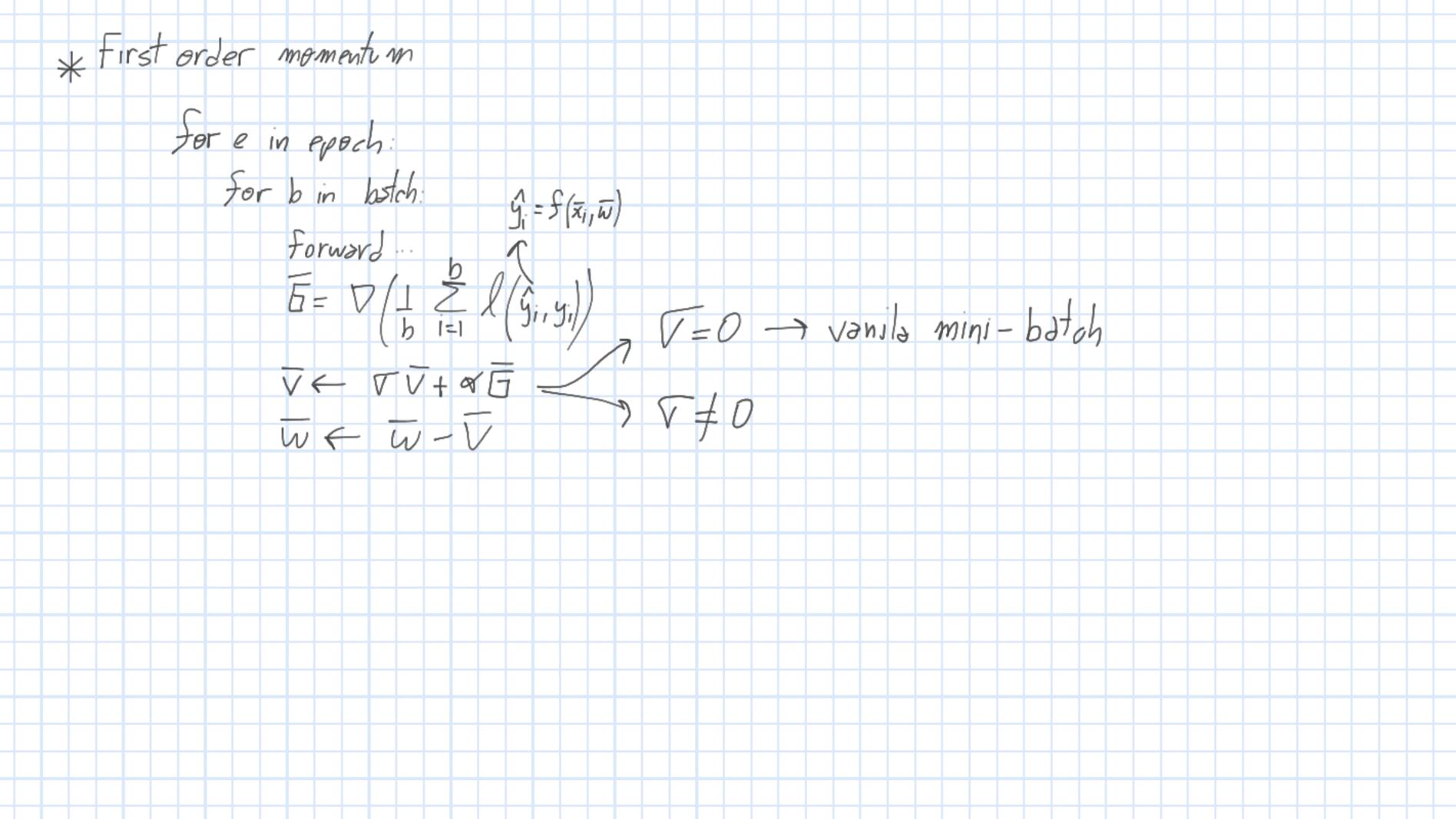
$$= \frac{\partial ct}{\partial w}$$

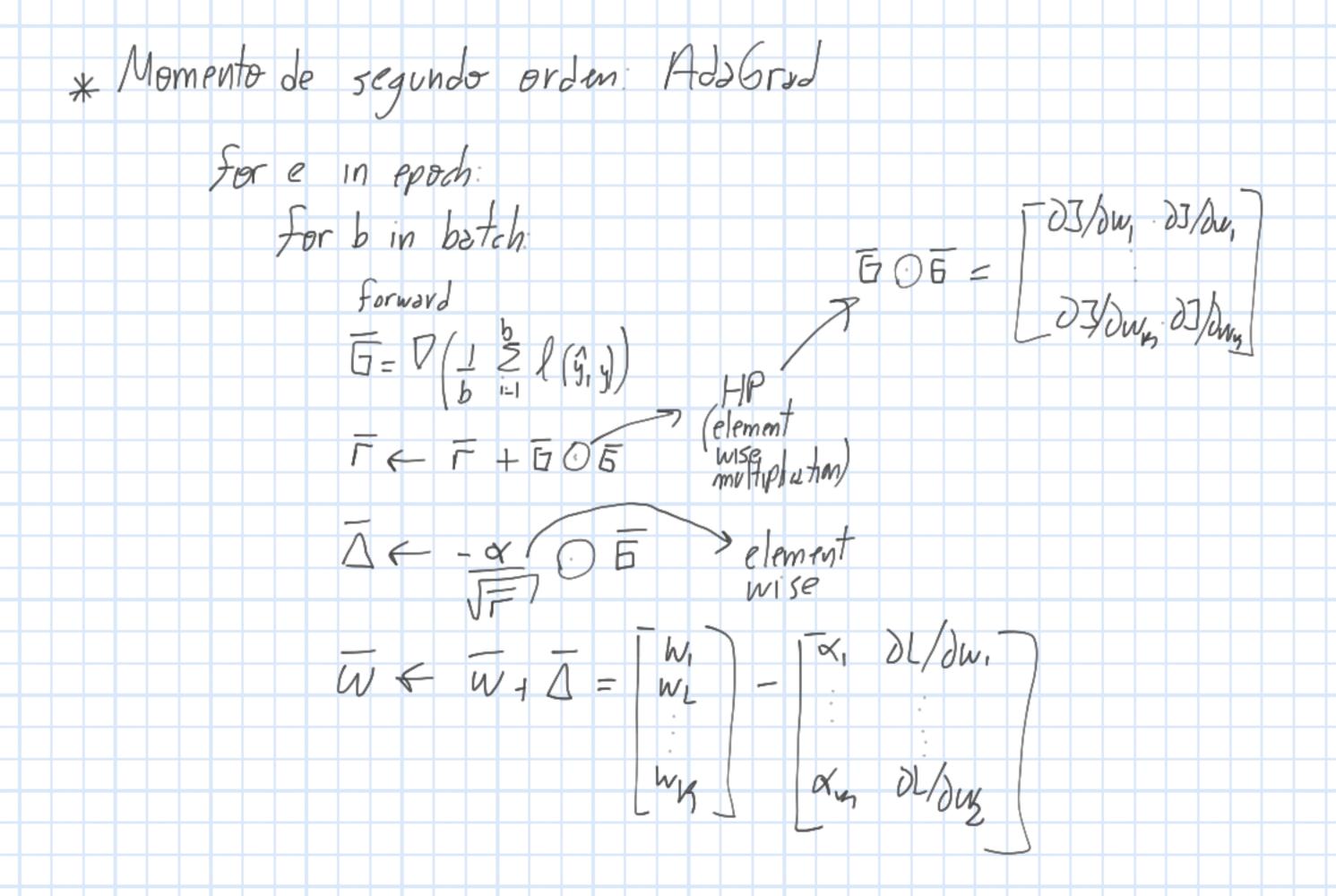
$$=$$











BMS Prop

for e in epoch:

for b in batch:

forward

$$\Box = \nabla \left(\frac{1}{b} \underset{i=1}{\overset{b}{\geq}} l(\hat{g}_{i}, y) \right)$$

$$\overline{W} \leftarrow \overline{W} + \overline{\Delta}$$

Adam (2014) For e in epoch: for b in botch Forward $\frac{1}{G} = P / \frac{1}{b} \times P \left(\frac{1}{3}, \frac{1}{3} \right)$ momento epoch butch mom mto F = P2 F + (1-P2) 505 TO FOR WEW+D

