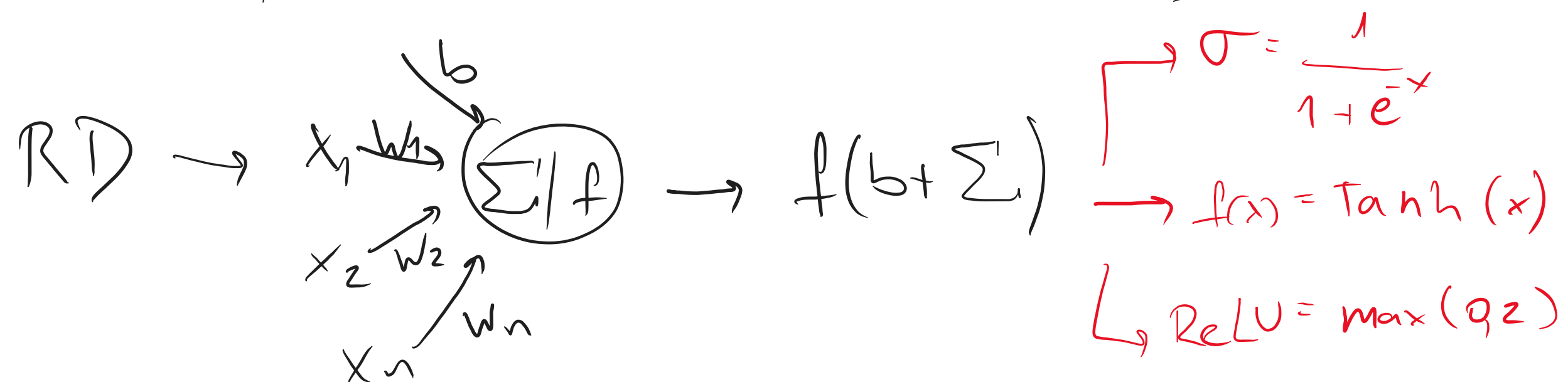


Conceptos Basicos Deep Learning



Capa Convolutional

$$(N - F + 2P) / S + 1 \rightarrow \begin{cases} \text{Input } 32 \times 32 \times 3 \\ \text{filtro } 5 \times 5 \times 3 \\ P=0 \quad S=1 \end{cases} \rightarrow \begin{aligned} &(32 - 5 + 0) / 1 + 1 \\ &27 / 1 + 1 \\ &28 \times 28 \end{aligned}$$

Capa Pooling

$$\begin{aligned} w_2 &= (w_1 - f) / S + 1 \\ h_2 &= (h_1 - f) / S + 1 \\ d_2 &= d_1 \end{aligned} \rightarrow \begin{cases} \text{Input } 224 \times 224 \times 64 \\ \text{filtro } 2 \times 2 \times ?? \\ S=2 \end{cases} \rightarrow \begin{aligned} &(224 - 2) / 2 + 1 \\ &222 / 2 + 1 \\ &112 \times 112 \times 64 \end{aligned}$$

Capa FC / Capa Densa

