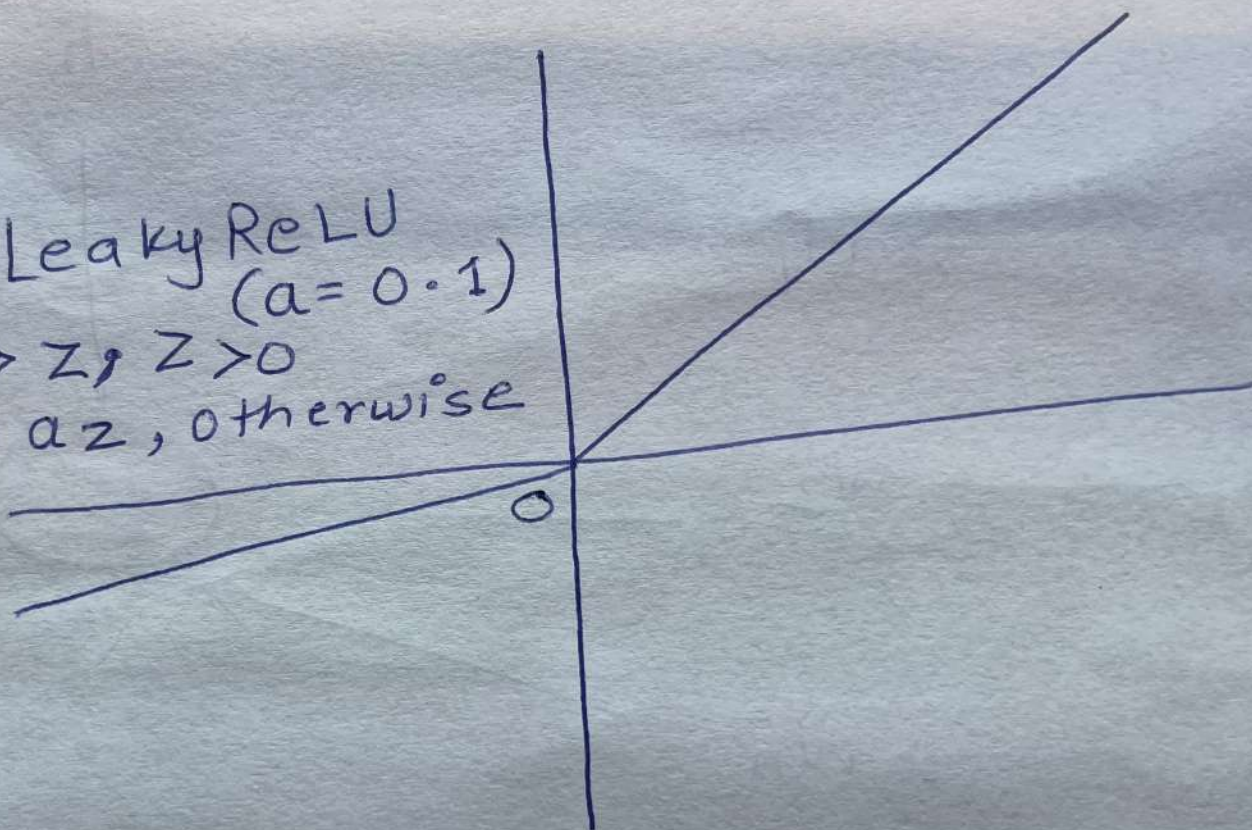
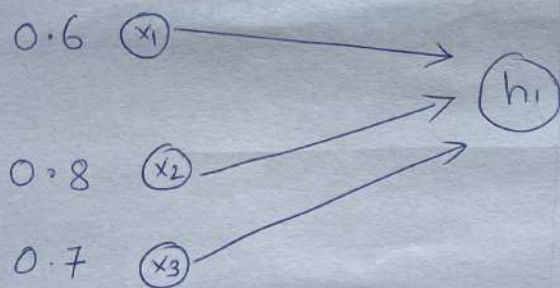


Leaky ReLU
($a = 0.1$)

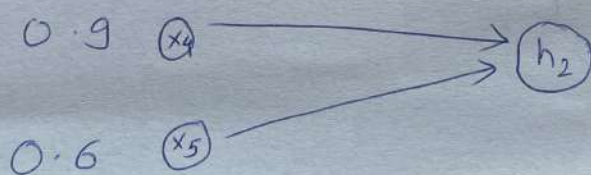
$\rightarrow z, z > 0$

$\rightarrow az, \text{otherwise}$





$$\begin{aligned} &= 0.6 \times w_1 + 0.8 \times w_2 + 0.7 \times w_3 + b \\ &= 0.6 \times 0.5 + 0.8 \times 0.3 + 0.7 \times 0.2 + 0.1 \\ &= 0.69 \end{aligned}$$



$$\begin{aligned} &= 0.9 \times w_4 + 0.6 \times w_5 + b \\ &= 0.9 \times 0.6 + 0.6 \times 0.4 + 0.1 \\ &= 0.79 \end{aligned}$$

Sigmoid

$$= \frac{1}{1 + e^{(-0.69)}}$$

$$= 0.666$$

ReLU

$$= 0.69$$

Leaky ReLU

$$= 0.69$$

tanh

$$= \frac{1.4922}{2.4952}$$

$$= 0.598$$