$\Rightarrow$ MLP (Multi layered Perceptron) Model:
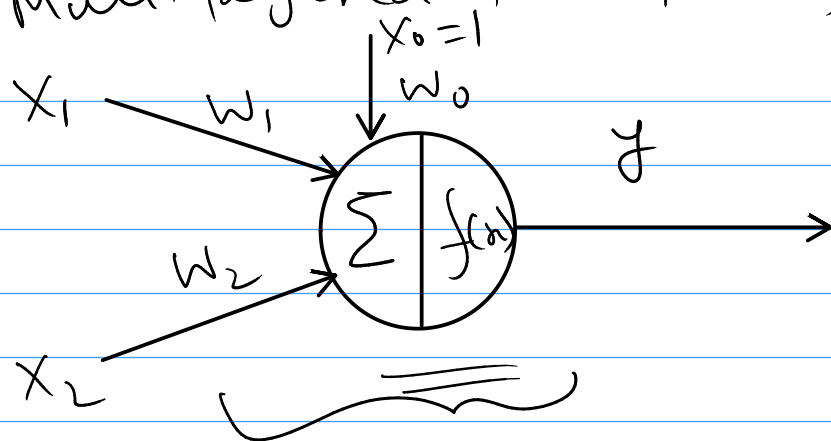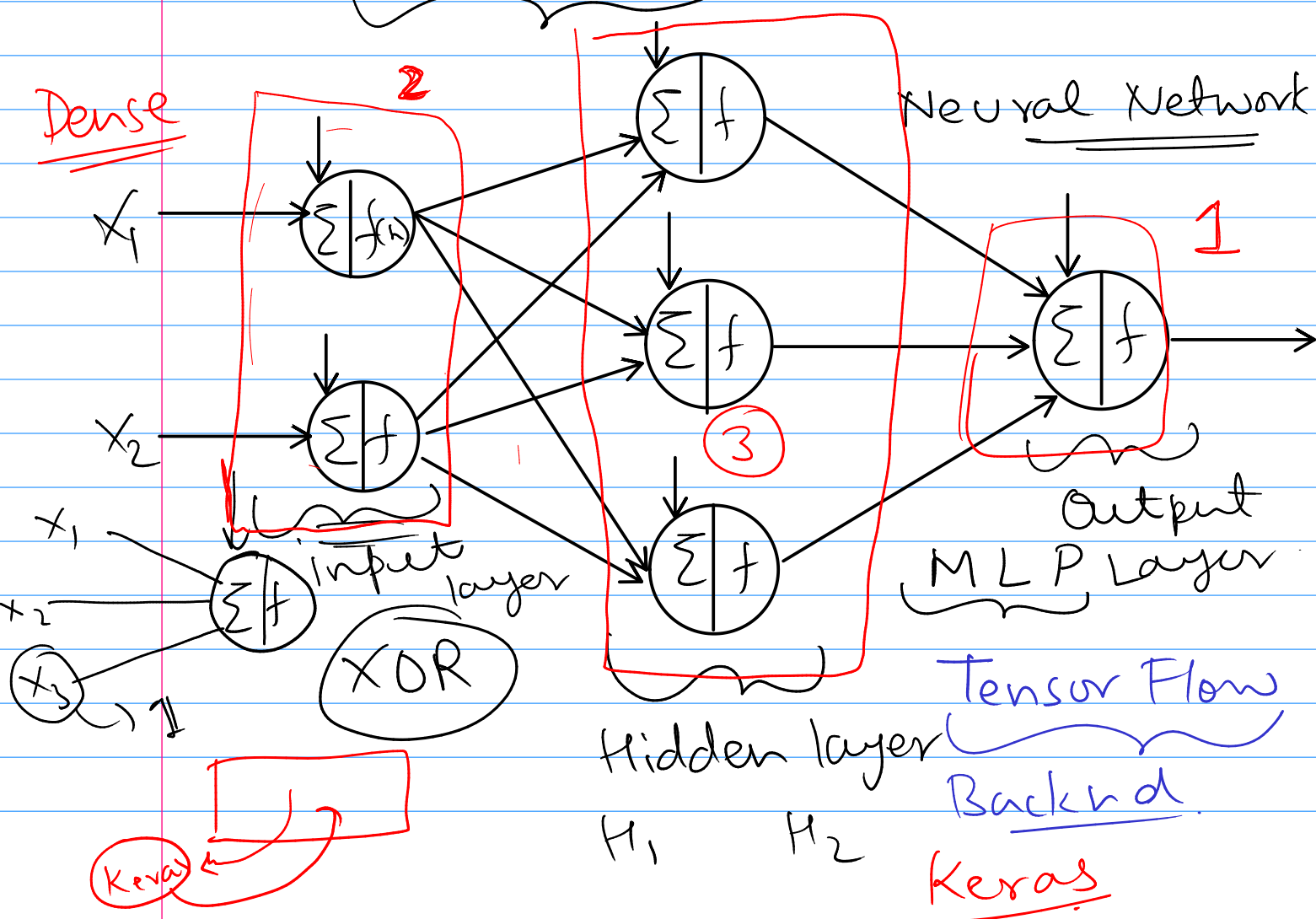

$$W_{n+1} = W_n - \eta X_n \quad \text{if} \quad X_n^T W_n > 0$$
$$D_n = 0$$

$$W_{n+1} = W_n + \eta X_n \quad \text{if} \quad X_n^T W_n < 0$$
$$D_n = 1$$

$\eta = $ learning Rate ≈ 0.1

Dense

Neural Network

input layer

XOR

MLP Layer

Output

Hidden layer

$H_1 \qquad H_2$

Tensor Flow

Backend

Keras

Keras

Tensorflow :

pip install tensorflow.

loss $\Rightarrow$ Minimize

optimizer $\Rightarrow$ Weight Update =)

metrics $\Rightarrow$ "accuracy" maximise

Neurons   Dense