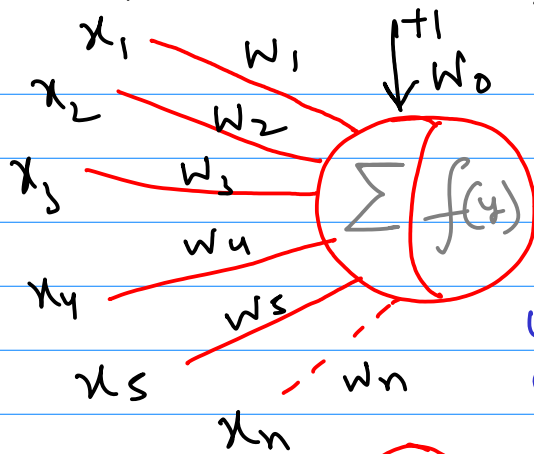
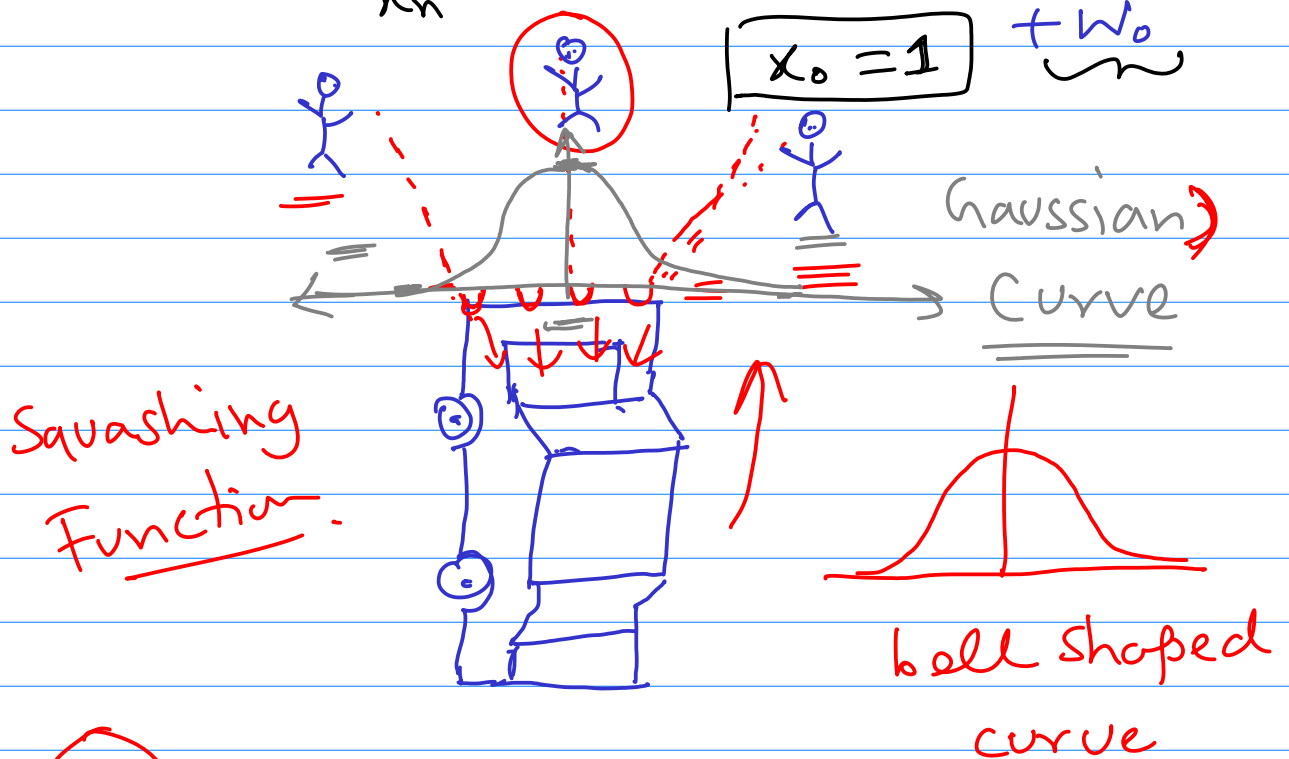


Artificial Neural Networks (ANN):



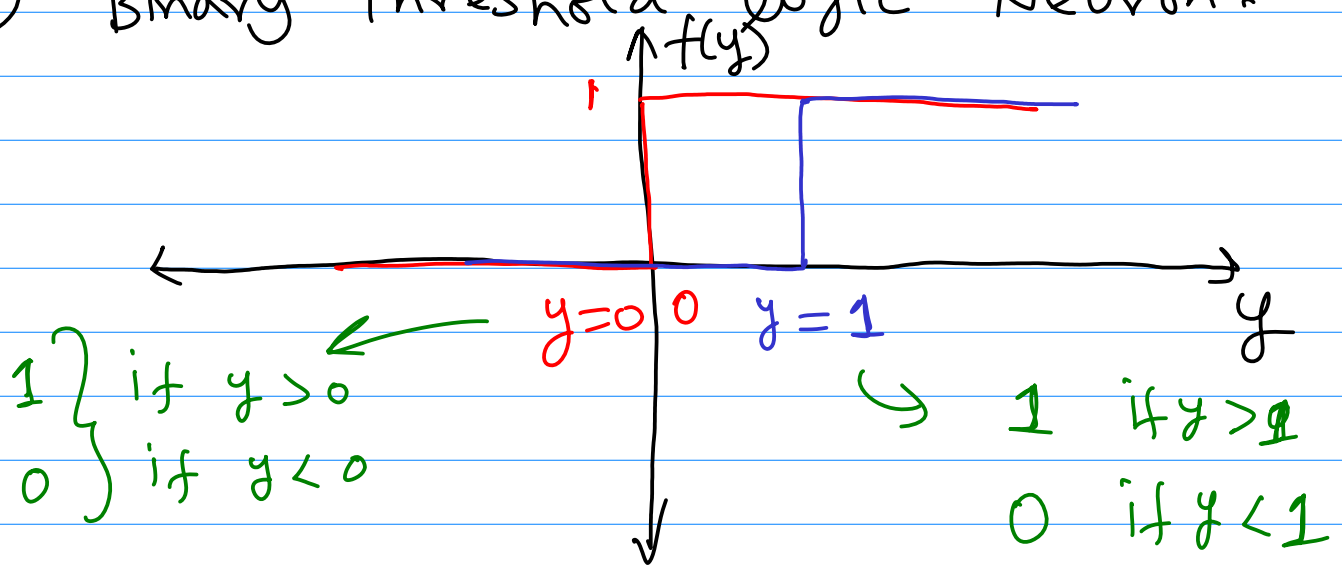
Activation.

$$y = x_1 w_1 + x_2 w_2 + \dots$$



$$y = x_1 w_1 + \dots$$

① Binary Threshold Logic Neuron:

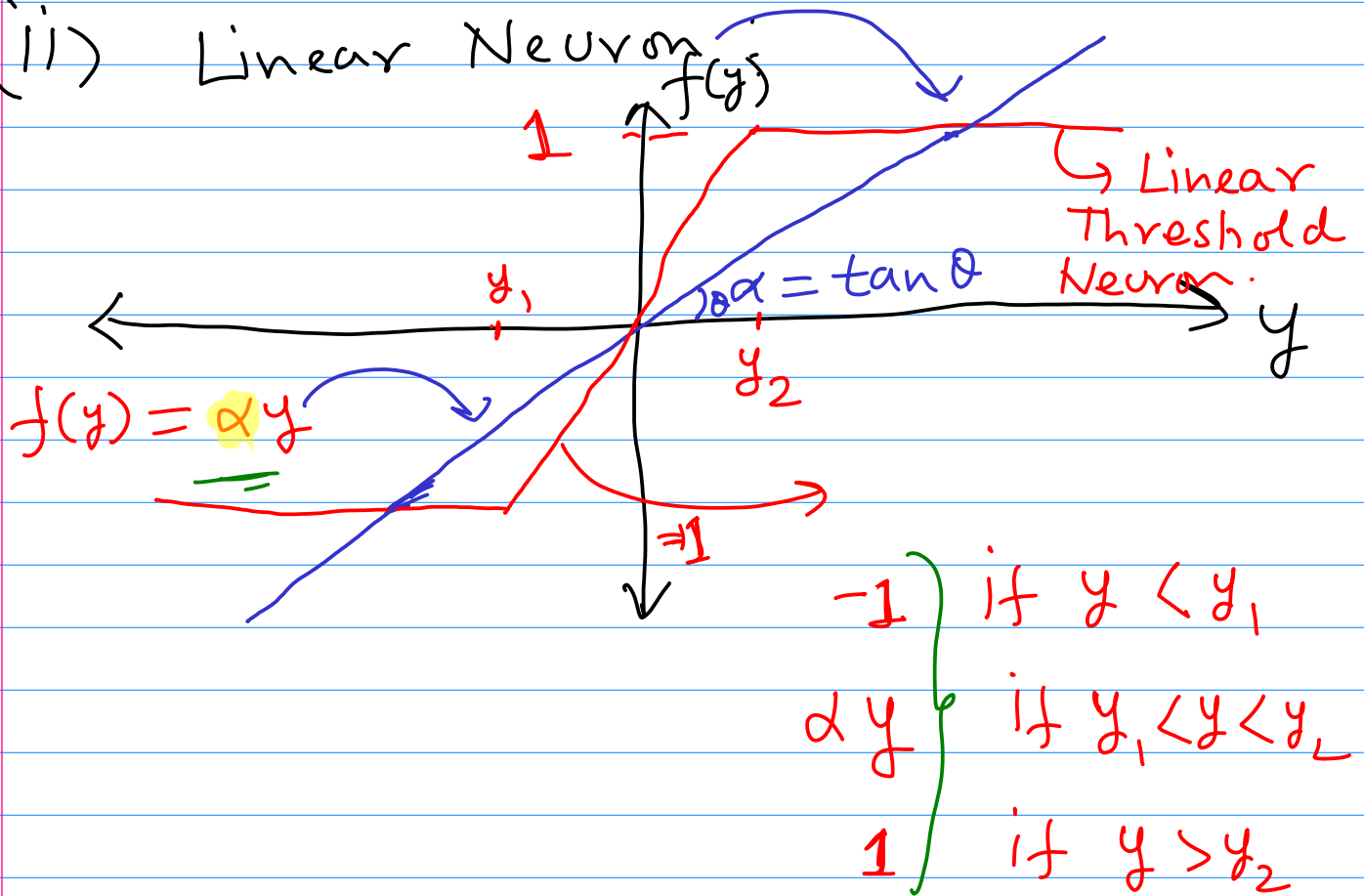


(i) AND Gate Problem - NAND

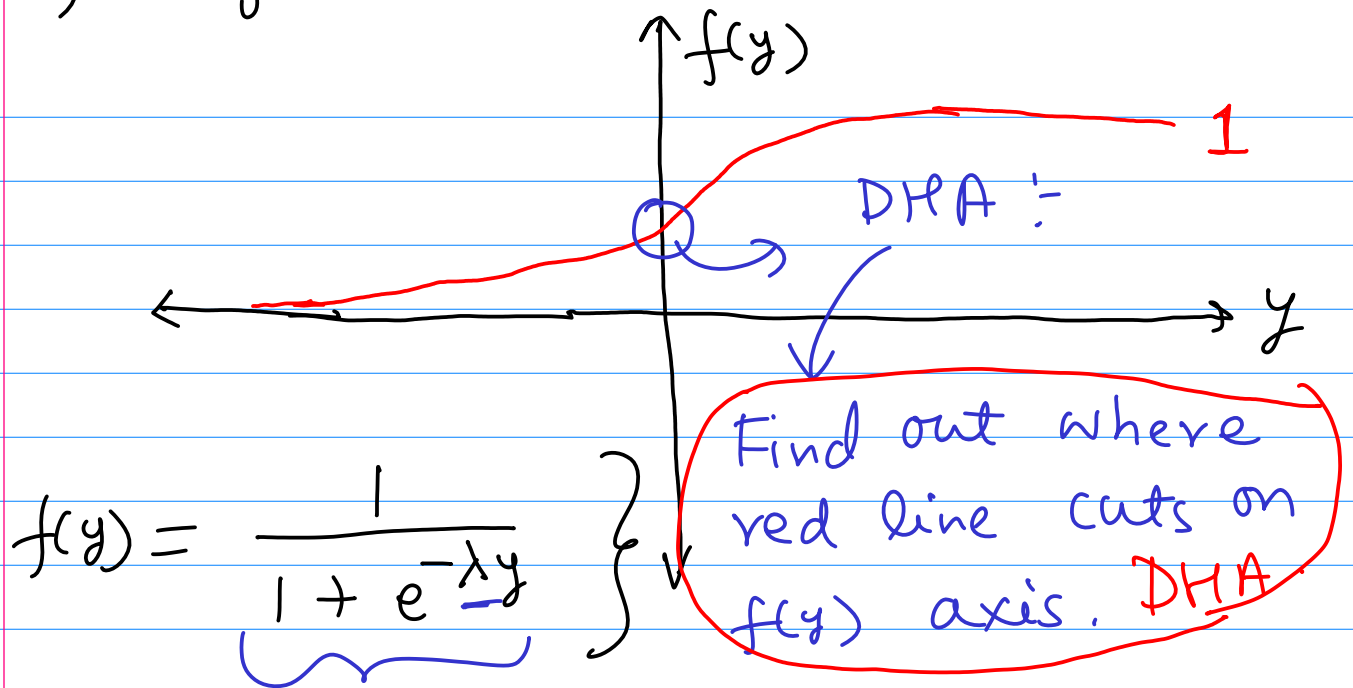
(ii) OR Gate Problem - NOR

(iii) XOR Gate Problem X

(ii) Linear Neuron



(iii) Sigmoid Neuron:



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Work

(check what happens to $f(y)$ curve if you change value of λ .)

(iv) Gaussian Neuron:

