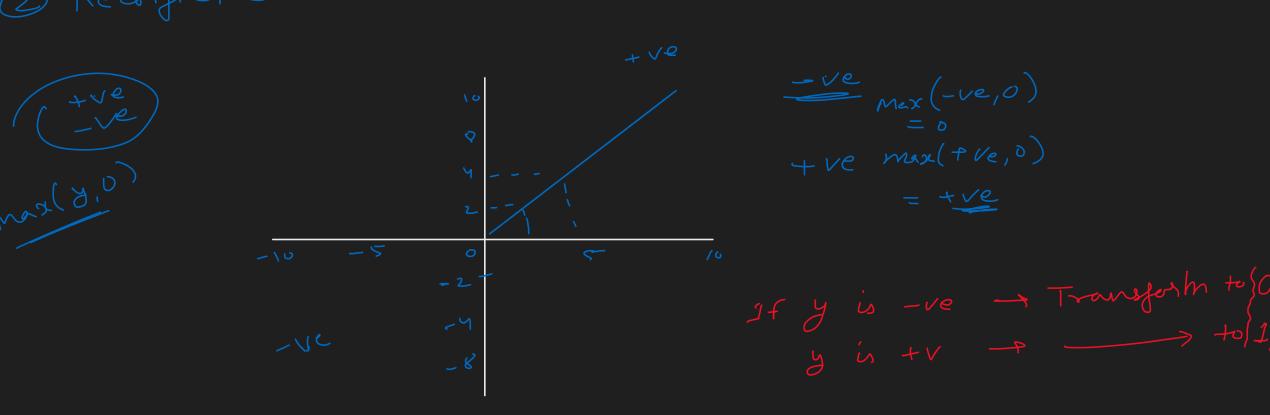
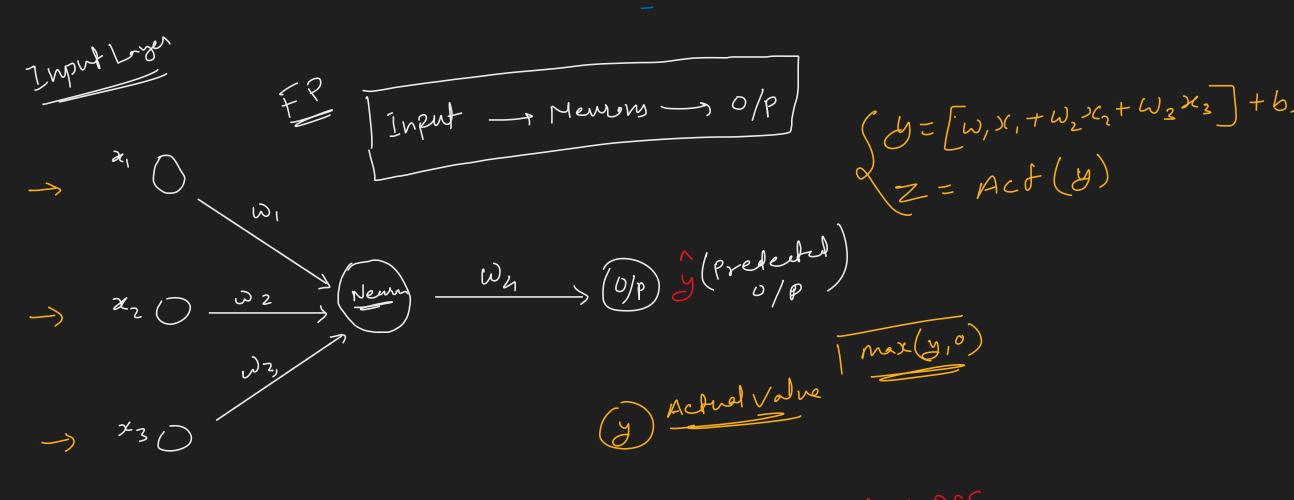


## (2) Rectified Linear Unit (ReLU)



1) Forward Propagation Dataset

(2) Backward Propagation X, X2 X2



Difference b/w (y) and (y) => called LOSS

Joss = 
$$(y-y)^2$$

if  $\hat{y}=0$  and  $y=1$ 

$$-(1-o)^2$$

$$-(1)^2 => 1$$

$$14 \hat{y}=1 \text{ and } y=0$$

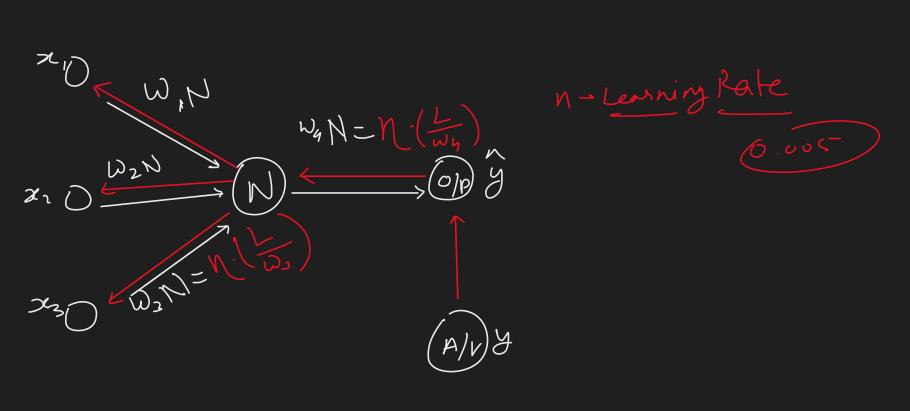
$$-(0-1)^2$$

$$-(1)^2 => 1$$

Now. The loss volve should be reduced of updating (Wn)

12 will be done by Optimizers

In order to reduce loss value, we have to back propagate.



1) a land to wax a Cost Function on Multiple Records

