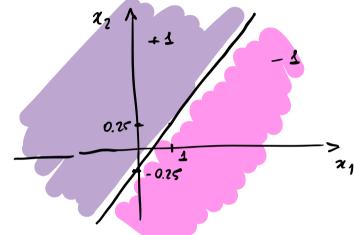
(N2)
$$a(x) = Sign(w_0 + w_1 x_1 + w_2 x_2)$$

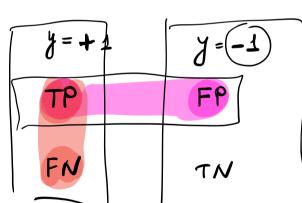
 $w = (-1 \ 2)$
 $w_0 = 0.5$
 $a(x) = Sign(0.5 - x_1 + 2x_2)$
 x_2



$$x_2 = -0.25 + 0.5 x_1$$

$$a(x) = +1$$

$$a(x) = -1$$



Confusion Matrix

Recall = TP TP+FN, # Konson. 6 gond male navous. Evace et. nonom. Klaces

Recall = TPR = sensitivity =
$$\frac{TP}{TP+FN}$$

FPR = $\frac{(FP)^{\#} our. na}{(FP+TN)}$ - gous our. rearest orphy. Leave

F- mepa =
$$(1+\beta^2)$$
. Precision. Recall
$$\beta^2 \cdot \text{Precision} + \text{Recall}$$