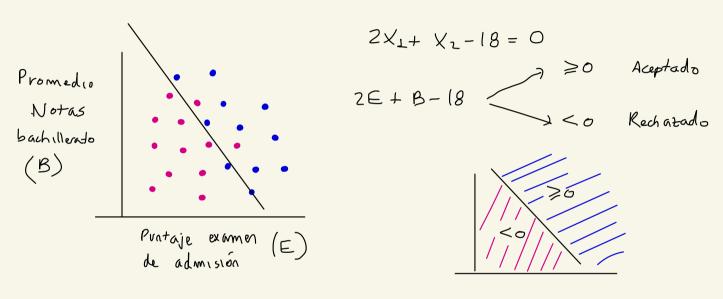
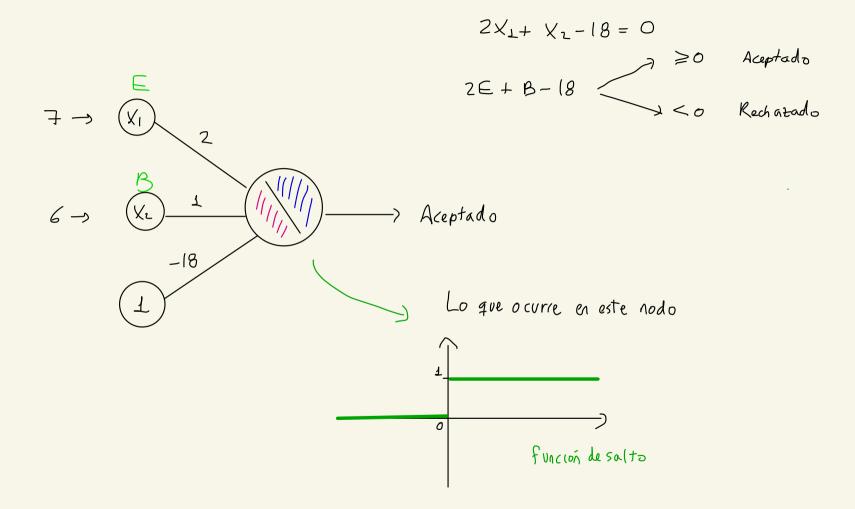
Decisión de admisión a una universidad



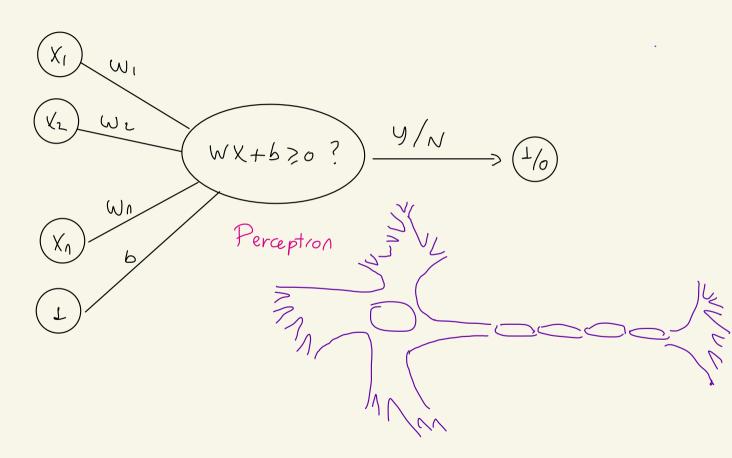
Aceptado -18

$$2X_{\perp}+X_{2}-18=0$$
 $2E+B-18$
 $3>0$ Aceptado
 $2E+B-18$
 $3<0$ Rechatado



En general ω_{ι} Peros Wi 9/N WX+6>0? Wn Sesgo

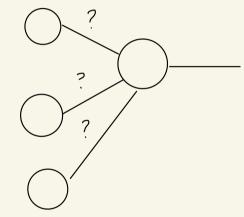
En general

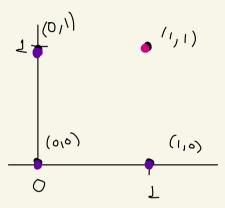


Representar funciones?

Funciones logicas

ДИД

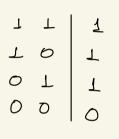


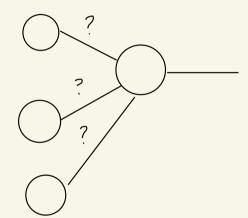


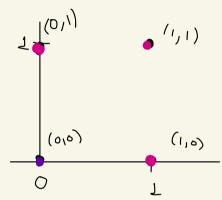
$$2x + 2y - 3 = 0$$

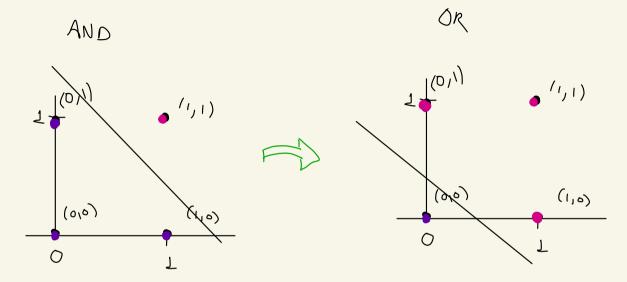
$$x_{(0,0)}$$

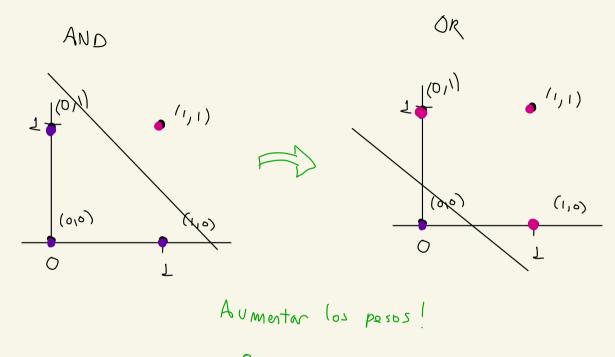
OR





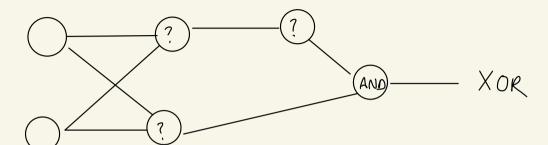




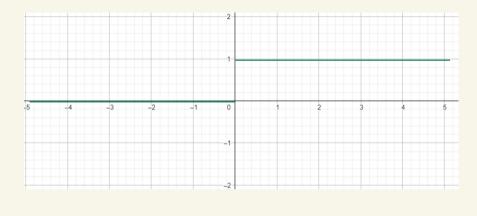


decre ar el sesgo

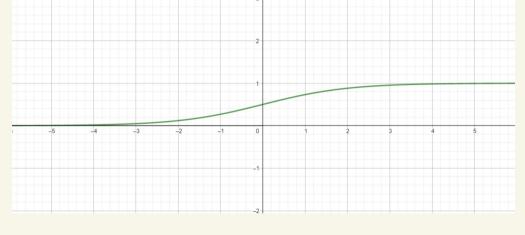
XOR Not



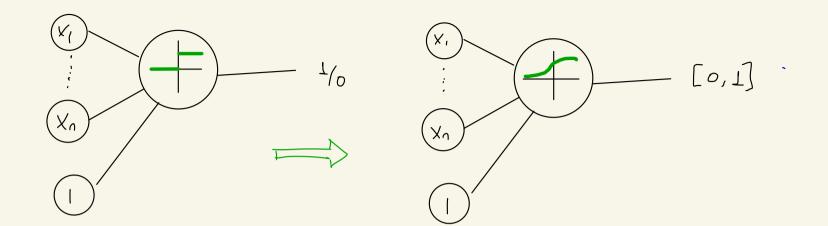
De discreto a contínuo

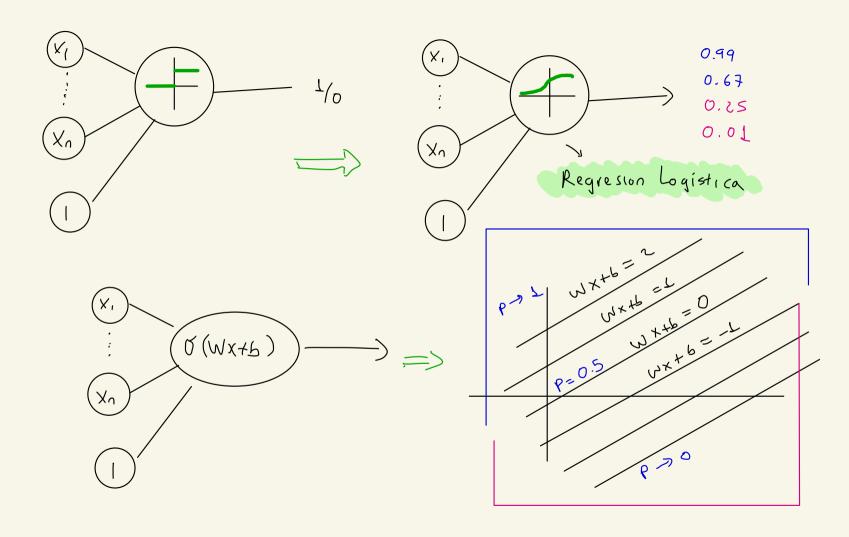


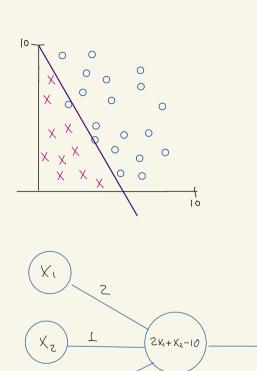
funcion de sulto



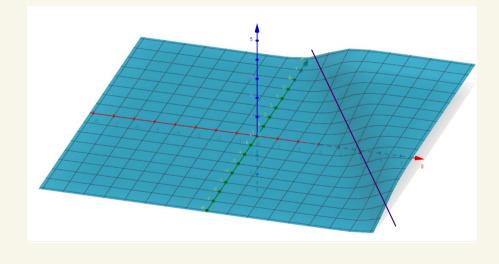
Sigmoide $O(x) = \frac{1}{1 + e^{-x}}$

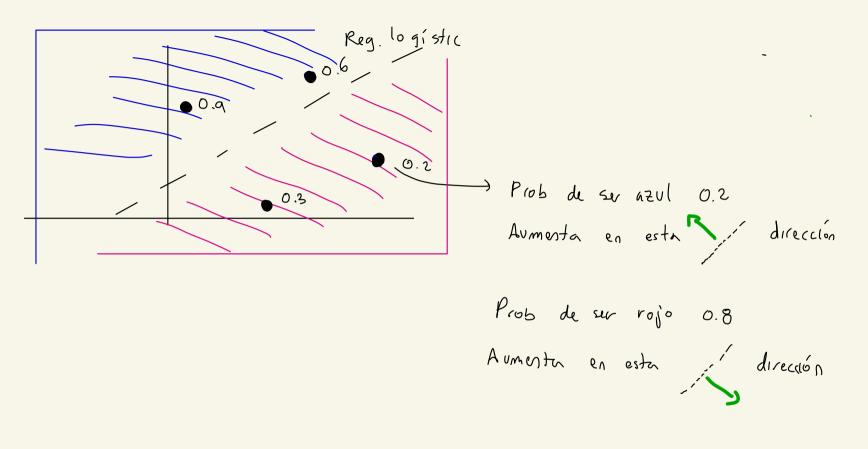


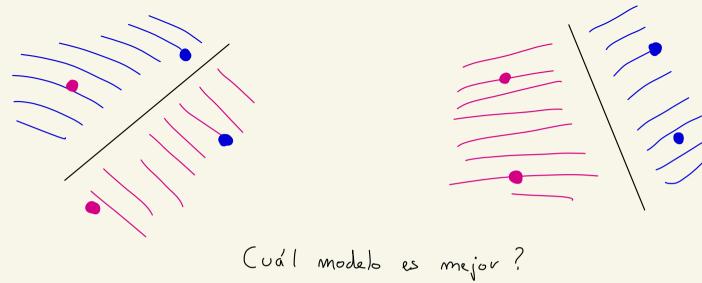




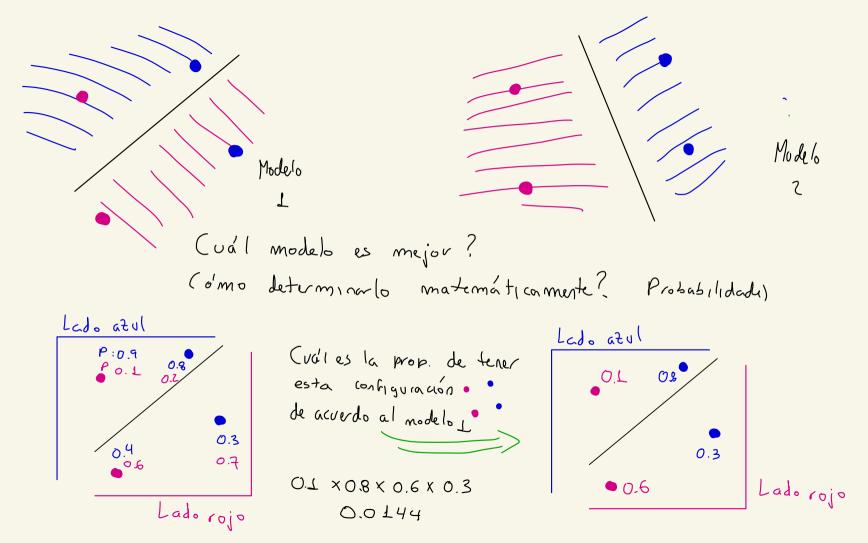
51/10



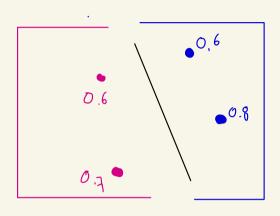


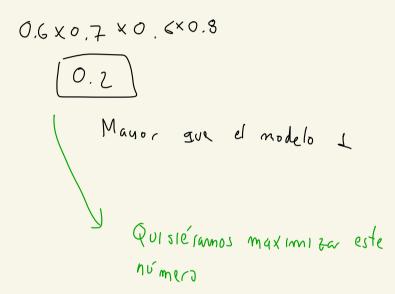


(o'mo determinarlo matemáticamente?

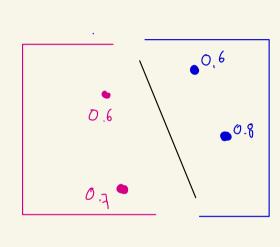


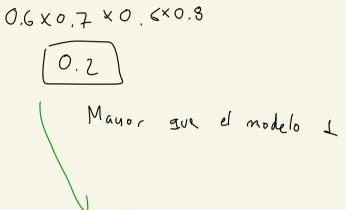
Ahora calculamos parael modelo 2





Ahora calculamos parael modelo 2





Quisiéramos maximizar este Mejor maximizar sumas que productos número

Max m 1 z cmo, Ln
$$(0.6 \times 0.7 \times 0.6 \times 0.8) = Ln(0.6) + Ln(0.7) + Ln(0.6) + (1/08)$$

 $\sim M_{1,1} + L_{1,1} + L_{2,1} + L_{2,1}$

$$Cross - entropy = -\sum_{i=1}^{M} y_i \ln(p_i) + (1-y_i) \ln(1-p_i)$$

$$Cross - entropy = -\sum_{i=1}^{M} y_i \ln(p_i) + (1-y_i) \ln(1-p_i)$$

$$Cross - entropy = -\sum_{i=1}^{M} y_i \ln(p_i) + (1-y_i) \ln(1-p_i)$$