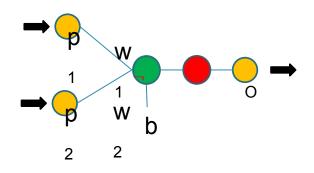


ХАРАКТЕРИСТИКИ





$$p_{1,} p_{2,} p_{3, ...} p_{n}$$

КЛАСОВЕ

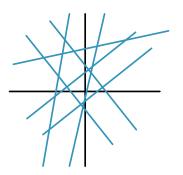




Момиче / момче

0 или 1

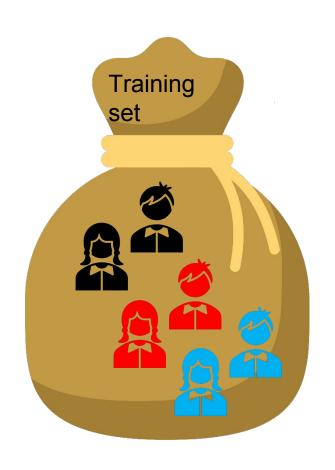
ОБУЧЕНИЕ



$$w_1 = ?$$

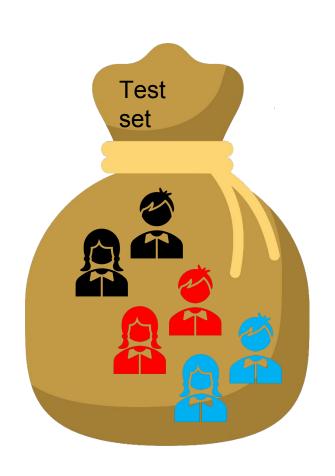
 $w_2 = ?$
...
 $b = ?$

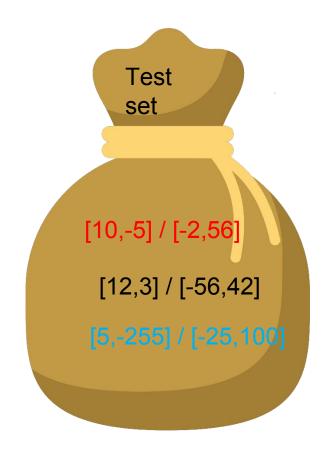
Training samples

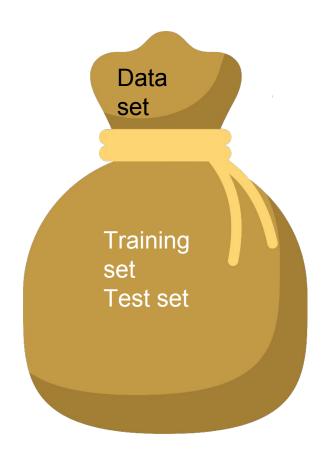


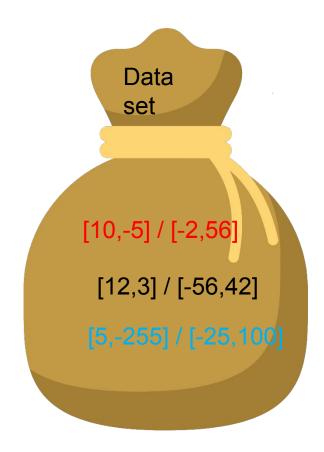


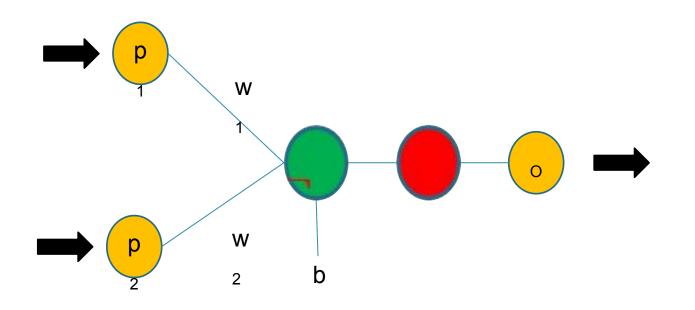
Test samples





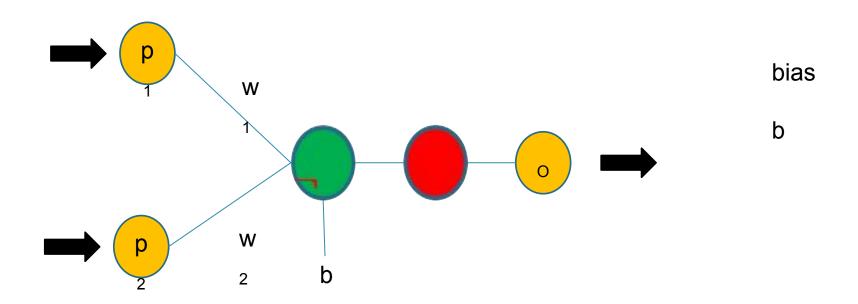


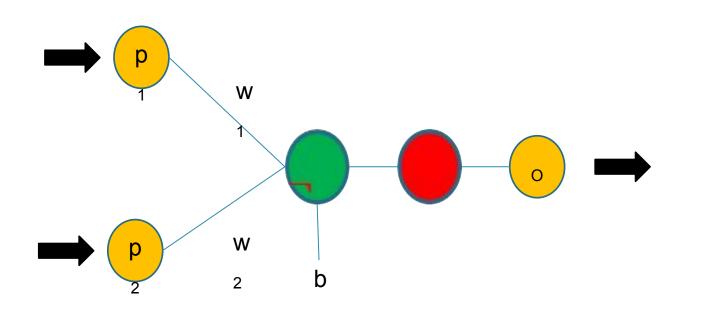




Weights or connection weights

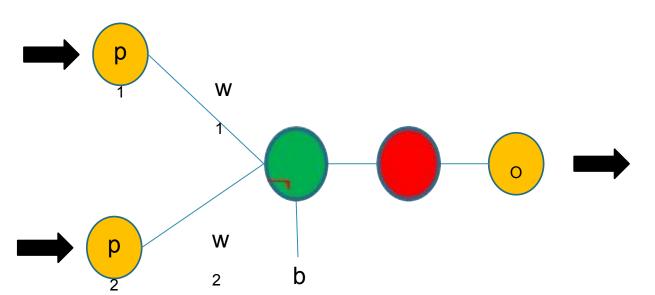
W1,W2, ... Wn





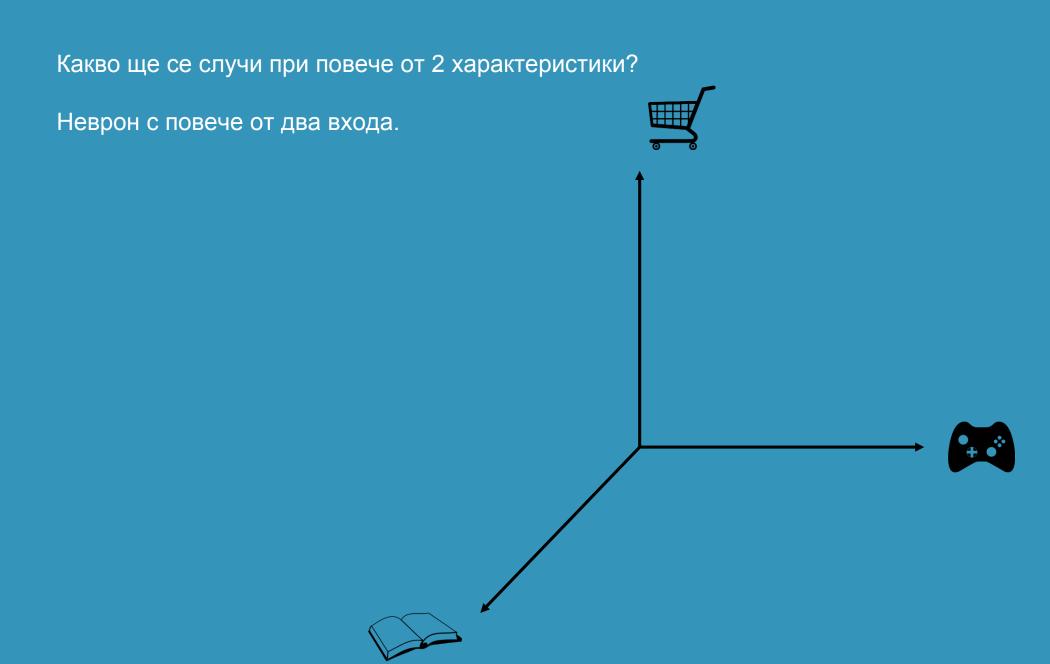
Summation unit

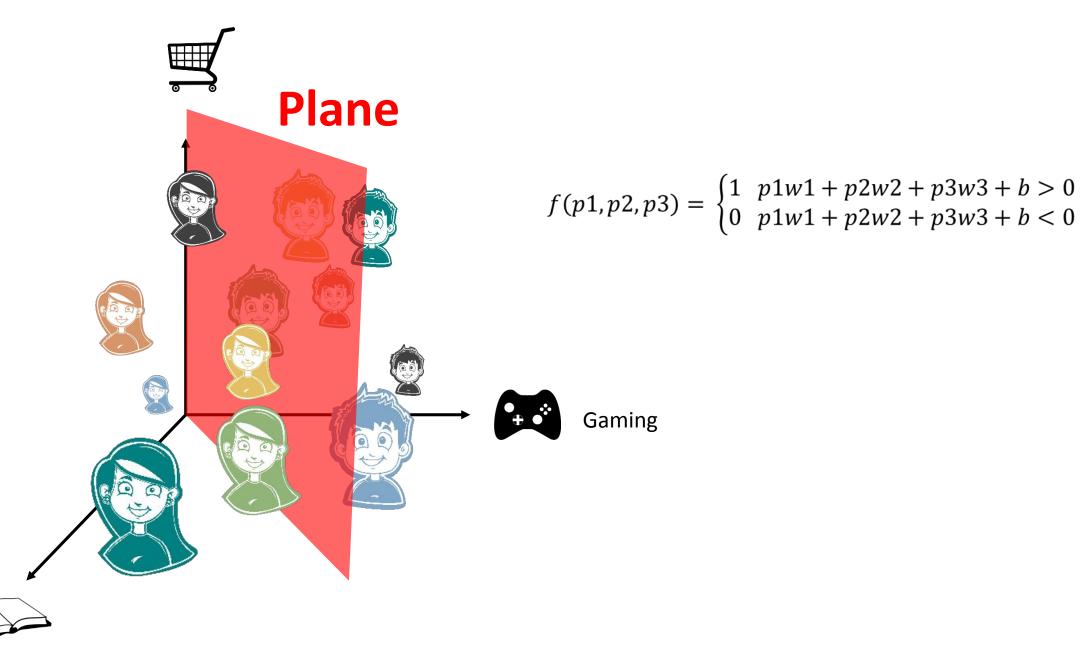
$$p1w1+p2w2+...+p_nw_n$$



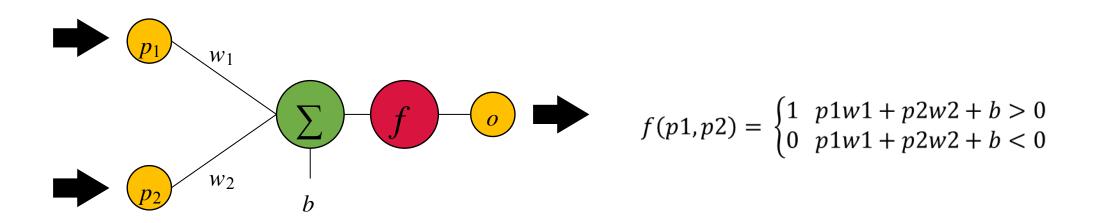
Activation (transfer) function

$$f(p1, p2) = \begin{cases} 1 & p1w1 + p2w2 + b > 0 \\ 0 & p1w1 + p2w2 + b < 0 \end{cases}$$



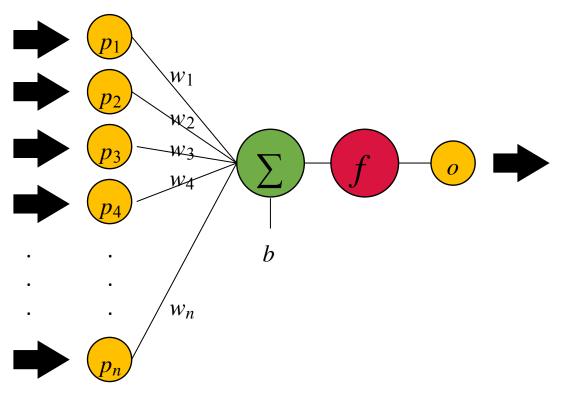


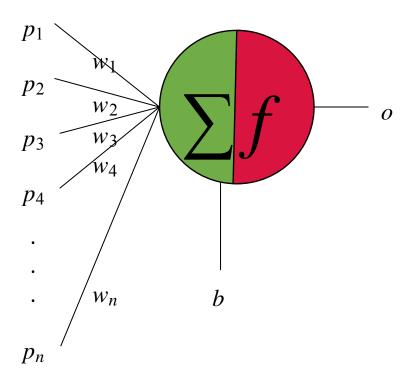
Gaming



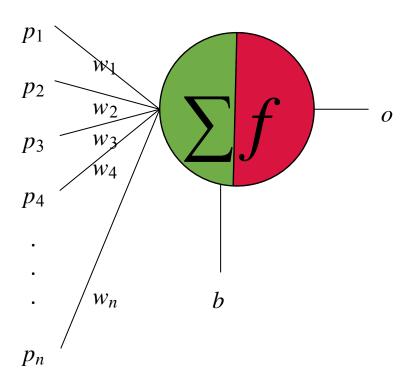
$$f(p1, p2, p3) = \begin{cases} 1 & p1w1 + p2w2 + p3w3 + b > 0 \\ 0 & p1w1 + p2w2 + p3w3 + b < 0 \end{cases}$$

$$O = (p_1 + p_2 + ... + p_n + b) = f((\sum_{k=1}^n p_k * w_k) + b)$$



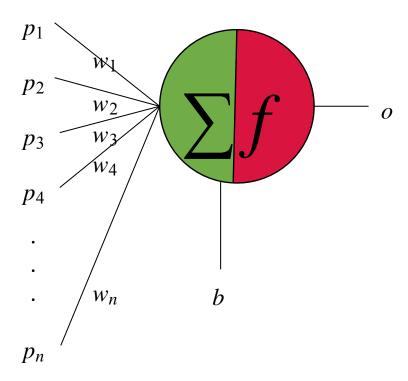


$$O = f((\sum_{k=1}^{n} p_k * w_k) + b)$$

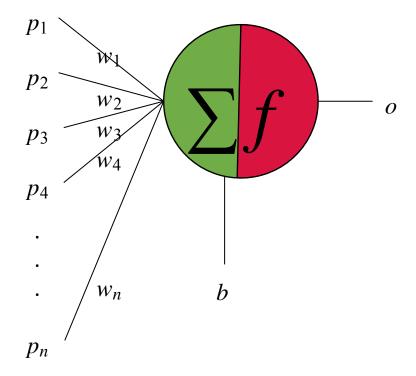


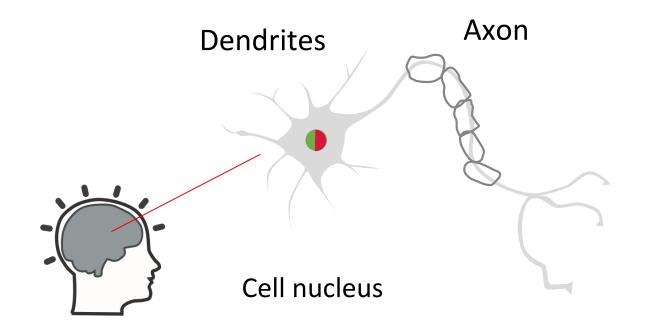
Вдъхновение от естествения неврон

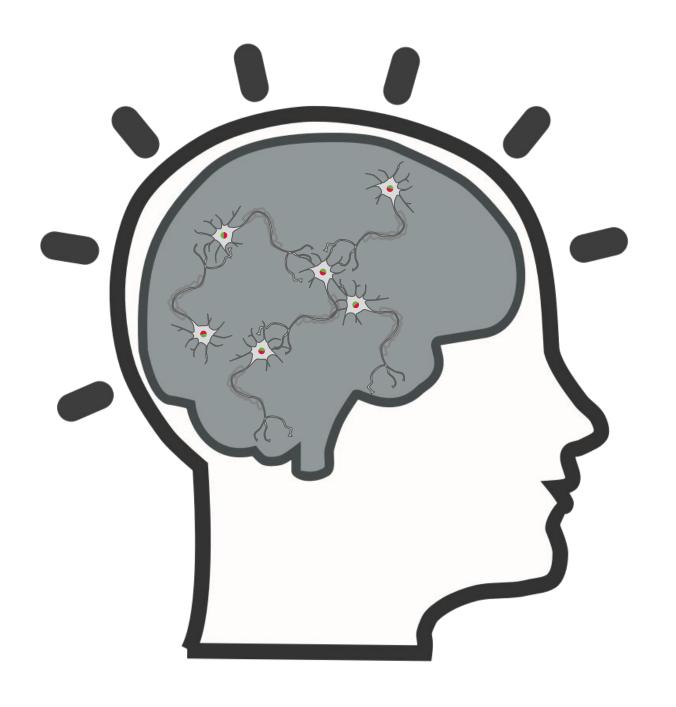
$$O = f((\sum_{k=1}^{n} p_k * w_k) + b)$$



$$O = f((\sum_{k=1}^{n} p_k * w_k) + b)$$







100 милиарда неврони

