

$$\Phi = \sum_{i=1}^n w_i x_i + b_i$$

$$f(\Phi_j) = \begin{cases} -1 & ; \Phi_j < d \\ \Phi_j & ; d \leq \Phi_j \leq d \\ +1 & ; \Phi_j > d \end{cases}$$

$$\frac{\partial f(\Phi_j)}{\partial w_j} = 0$$

