

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

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

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

