



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

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

$$\frac{\partial f(\phi_j)}{\partial \phi_j}$$