$$\{w_n^{(1)}\}$$

$$\{w_n^{(2)}\}$$

$$y_1(\mathbf{x})$$

$$y_2(\mathbf{x})$$

$$y_M(\mathbf{x})$$

$$Y_M(\mathbf{x}) = \operatorname{sign}\left(\sum_{m}^{M} \alpha_m y_m(\mathbf{x})\right)$$