$$E(w_{0}, w_{1}) = (|+ \omega_{1} - \omega_{0}|^{2} + (|-\omega_{1} - \omega_{0}|^{2} + (|+ \omega_{1} - \omega_{0}|^{2} + (|$$

 $E(w_0, w_1, w_2) = \sum (y - f(x; w_0, w_1, w_2))^2$ 가 최소

 $E(w_0, w_1, w_2) = (1 - f(-1; w_0, w_1, w_2))^2 + (1 - (f(0; w_0, w_1, w_2))^2 + (1 - (f(1; w_0, w_1, w_2))^2 + (0 - (f(1; w_0, w_1, w_2))^2)^2$

E(W., W., Ws)

 $= (|-(\omega_{2} + \omega_{1} + \omega_{0})|^{2} + (|-\omega_{0}|^{2} + (|-(\omega_{2} + \omega_{1} + \omega_{0})|^{2} + (|-(\omega_{2} + \omega_{1} + \omega_{0})|^{2} + (|-(\omega_{2} + \omega_{1} + \omega_{0})|^{2})^{2}$

3E = 2 (4w.+ 6,+3 w-3) = 0 , for min

3E = 2(Wot3W1+W2) =0

2 € = 2 (3 Wo+ W, +3W2 -2) =0

 $W_0 = 1, W_1 = -\frac{1}{4}, W_2 = -\frac{1}{4}$

- f2(x) = - = x - = x +)