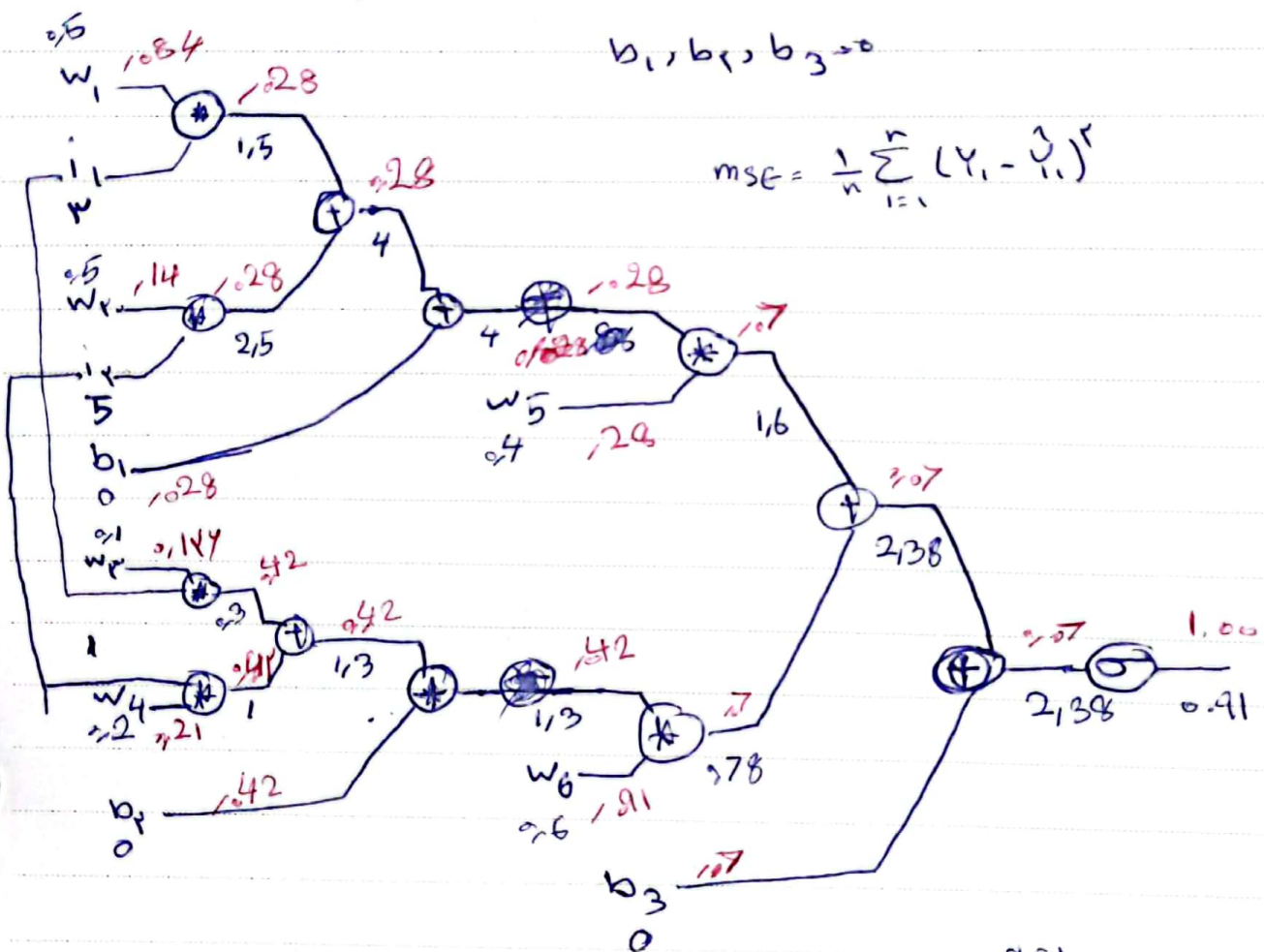$$h_1 = \sigma(w_1 i_1 + w_2 i_2 + b_1)$$
$$h_2 = \sigma(w_3 i_3 + w_4 i_4 + b_2) \qquad 0 = w_3 \, \sigma(w_5 h_1 + w_6 h_2 + b_3)$$

$$w_1, w_2 = 0.5 \ , \ w_3 = 1 \ , \ w_4 = 2 \ , \ w_5 = 0.4 \ , \ w_6 = 0.6$$

$$b_1, b_2, b_3 = 0$$

$$MSE = \frac{1}{n} \sum_{i=1}^{n} (Y_i - \hat{Y}_i)^2$$

$$\alpha = 1$$

نمایش در کدام احتمال

$$w = w - \alpha \, \nabla w$$

$$w_n = w_p + \nabla_p$$

$$w_1 = 0.5 = 0.5 - 1.084$$
$$w_2 = 0.5 = 0.5 - 0.14$$
$$w_3 = 0.1 = 1 - 0.028$$
$$w_4 = 0.2 = 2 - 0.21$$
$$w_5 = 0.4 = 4 - 0.28$$
$$w_6 = 1.6 = 0.6 - 0.91$$