

$$5.) \text{temp4} := \theta_4 - \alpha \frac{\partial}{\partial \theta_4} J(\theta_0, \theta_1, \dots, \theta_5)$$

$$\text{temp4} := \theta_4 - \alpha \left[\frac{2}{m} \sum_{i=1}^m \{h_{\theta}(x^{(i)}) - y^{(i)}\} \cdot x_4^{(i)} \right]$$

$$6.) \text{temp5} := \theta_5 - \alpha \frac{\partial}{\partial \theta_5} J(\theta_0, \theta_1, \dots, \theta_5)$$

$$\text{temp5} := \theta_5 - \alpha \left[\frac{2}{m} \sum_{i=1}^m \{h_{\theta}(x^{(i)}) - y^{(i)}\} \cdot x_5^{(i)} \right]$$

Finally,

$$\theta_0 := \text{temp0}$$

$$\theta_1 := \text{temp1}$$

$$\theta_2 := \text{temp2}$$

$$\theta_3 := \text{temp3}$$

$$\theta_4 := \text{temp4}$$

$$\theta_5 := \text{temp5}$$