We have:

$$h(x) = \theta_0 + \theta_1 x$$

and

$$J(\theta_0, \theta_1) = \frac{1}{2m} \sum_{i=1}^{m} \left(h(x_i) - y_i\right)^2$$ with $m = 4$.

Also:

x	y	h(x)
3	2	4
1	2	2
0	1	1
4	3	5

Since this is a linear regression problem, we also have:

$$\theta_0 := \theta_0 - \alpha \frac{1}{m} \sum_{i=1}^{m} \left(h(x_i) - y_i\right)$$

$$\theta_1 := \theta_1 - \alpha \frac{1}{m} \sum_{i=1}^{4} \left(h(x_i) - y_i\right) \cdot x_i$$

Initially, we set $\theta_0 = 1$, $\theta_1 = 1$ and $\alpha = 0.5$ then we have:

$$\theta_0 := 1 - \frac{1}{8}\left[2 + 0 + 0 + 2\right] = 1 - \frac{1}{8}(4) = \frac{1}{2}$$

$$\theta_1 := 1 - \frac{1}{8}\left[6 + 0 + 0 + 8\right] = 1 - \frac{1}{8}(14) = -0.75$$