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3. ADIM:  $h(x) = 0.354 + 0.463x$

x	h(x)
0	$0.354 + 0.463 \cdot 0$
1	$0.354 + 0.463 \cdot 1$
2	$0.354 + 0.463 \cdot 2$

y	HATA
1	-1
2	-1.183
3	-1.72

$$\frac{\partial J(\theta)}{\partial \theta_0} = \frac{1}{3} \left( (0.354 + 0.463 \cdot 0 - 1) + (0.354 + 0.463 \cdot 1 - 2) + (0.354 + 0.463 \cdot 2 - 3) \right)$$

$$= -1.541$$

$$\frac{\partial J(\theta)}{\partial \theta_1} = \frac{1}{3} \left( (0.354 + 0.463 \cdot 0 - 1) + (0.354 + 0.463 \cdot 1 - 2) + (0.354 + 0.463 \cdot 2 - 3) \right)$$

$$= -1.183$$

güncel:  $\theta_0 = 0.354 - (0.1) \cdot (-1.183) = 0.4723$

$\theta_1 = 0.463 - (0.1) \cdot (-1.541) = 0.6171$