

Third Task

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1. Formula:

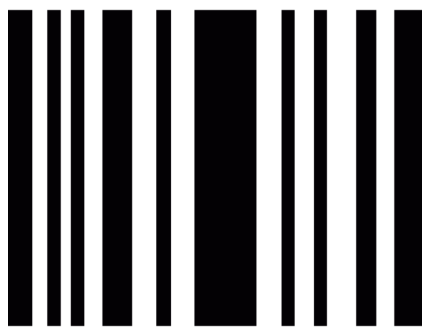
$$J(\theta) = \frac{1}{m} \left[-y^{(i)} \log(h_{\theta}(x^{(i)})) - (1 - y^{(i)}) \log(1 - h_{\theta}(x^{(i)})) \right] + \frac{\lambda}{2m} \sum_{j=1}^n (\theta)_j^2$$

2. An Image:



Figure 1: Java

3. Side by side images:



(a) QR Code



(b) Java

Figure 2: side by side images