

Manarat International University (MIU)  
Computer Vision and Robotics (CSE-437)  
Class Test - 1

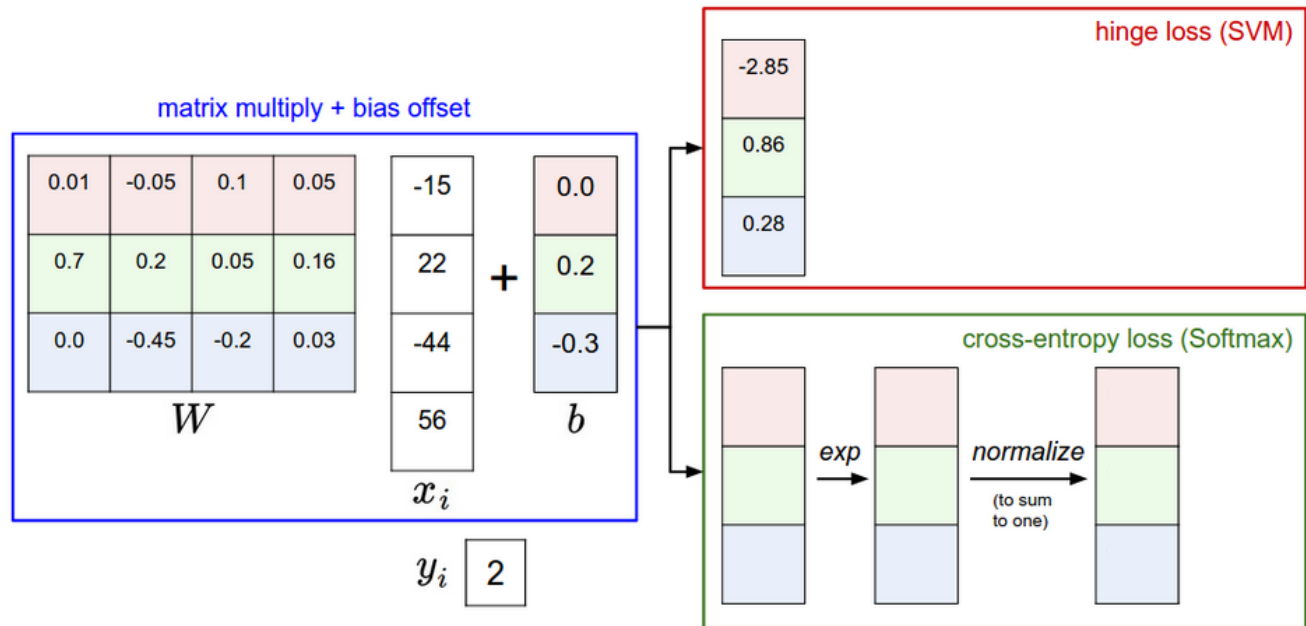
ID: .....

Time: 25 minutes

Point: 20

1. Find the value of *hinge loss* and *cross-entropy loss*

2+2



2. Define Softmax Activation Function.

3

3. Why we take Negative Log-Likelihood (NLL) to calculate cross-entropy loss?

3

4. Find the derivative of a Sigmoid function.

6

5. Write down the gradient of each variable

4

