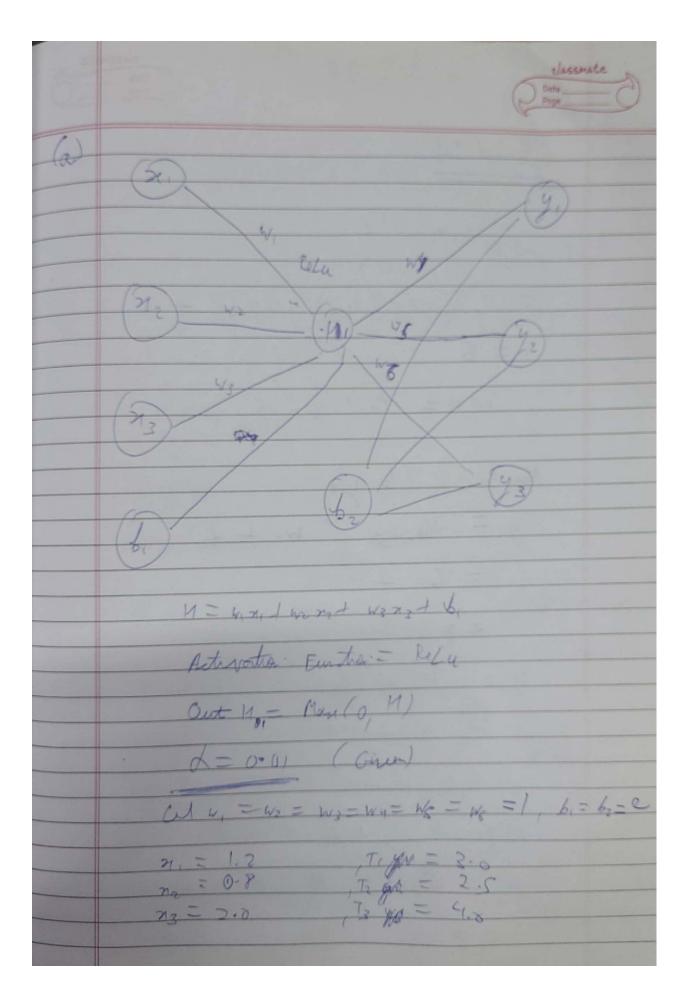
## Section - C

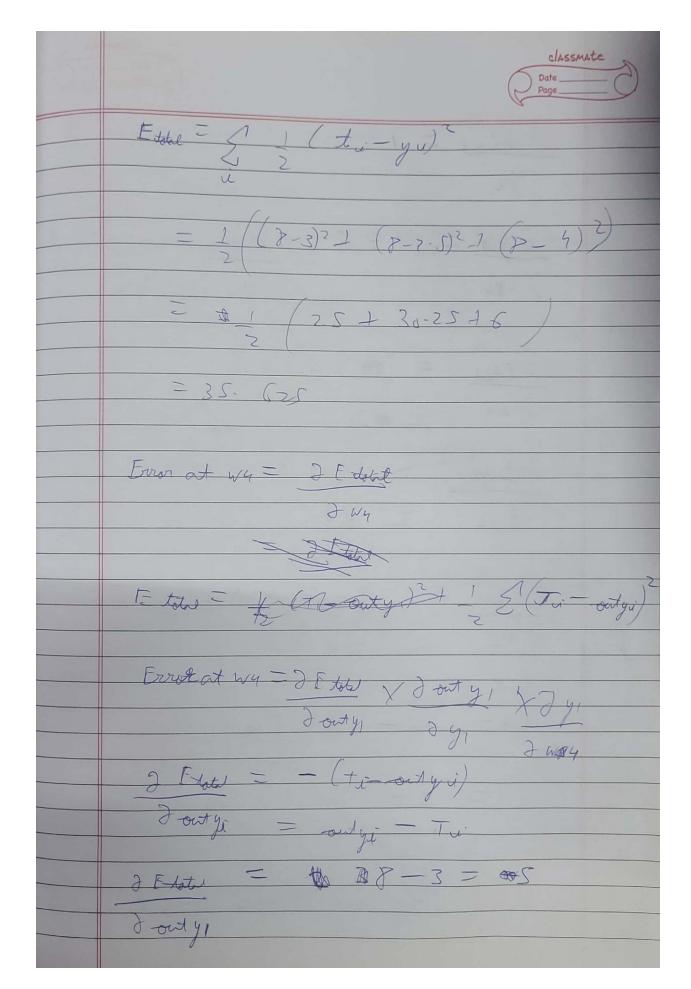
- These are the optimal hyper parameters for this model best\_params = {'batch\_size': 64, 'hidden\_layer\_sizes': (25, 25), 'learning\_rate\_init': 0.01, 'max\_iter': 20}
- 2) The best activation function was =ReLu and it gave the accuracy of 65%
- 3) Possible reason for misclassification is due to overfitting of model on training data.

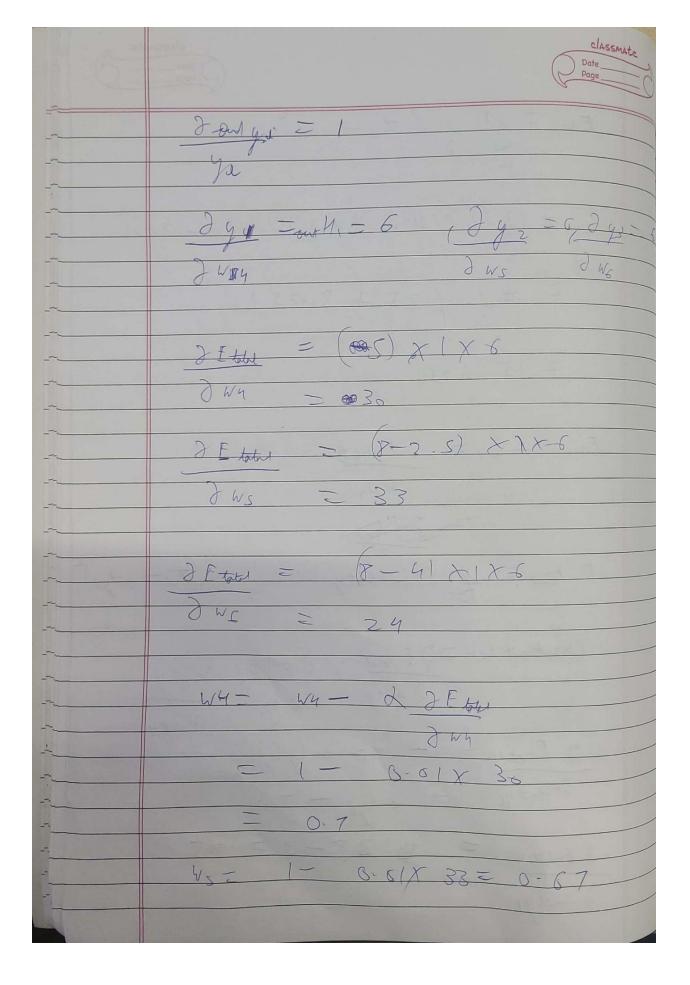
  Another reason could be the possible noise in the data as several samples had multiple numbers in the image.

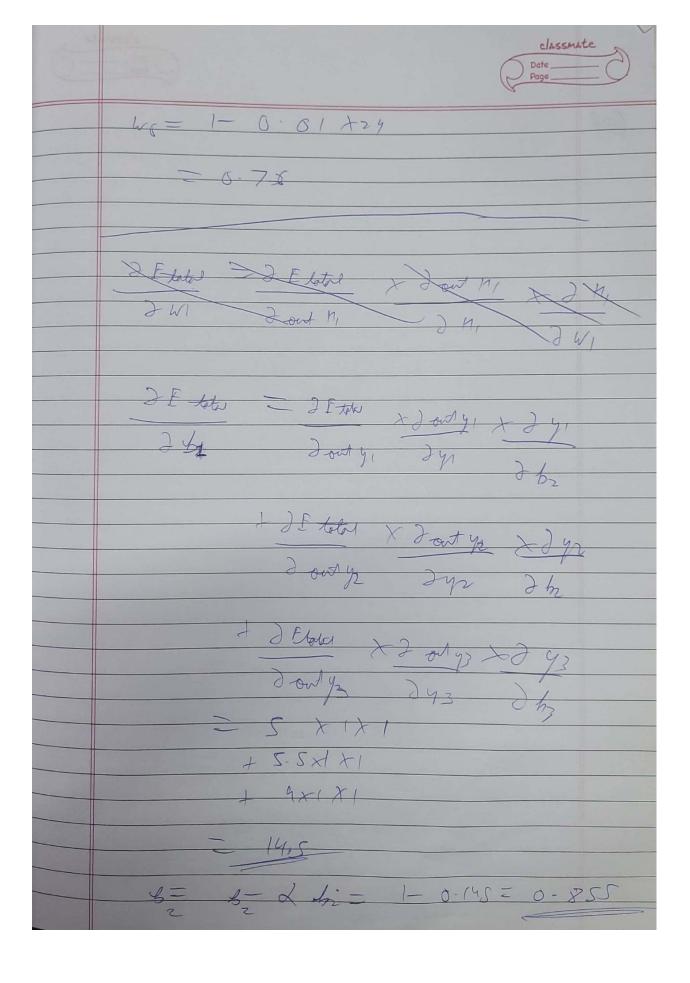
Section - A



classmate Forward Pays = 1. (1,2)+1, (0,8)/1, (2.0) Out 11 = Max ( 9 6) = Non le Malenlate y1, y1 = 4 11, W4 + 11 1. 45 1 /2 11, ws + bz







Derivation: Com samples