**For the below data write the forward pass through ANN using python and numpy.**

Pass the data through the network, display the outputs and error

Data is about frequency(cell) of words(columns) present in a mail(row). Need to classify the mail as spam or not.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | Dear | Dinner | Money | Spam – 1  Not spam - 0 |
| Mail 1 | 1 | 2 | 1 | 0 |
| Mail 2 | 1 | 0 | 4 | 1 |
| Mail 3 | 0 | 3 | 0 | 0 |
| Mail4 | 1 | 0 | 2 | 1 |

Note: Use proper activation functions.

Assume weights and biases.

Upload only the .ipynb file without zipping.