Sonia Nigam

**Problems 1 and 2**

Implemented in “spamfilter.py”. This can be run with the following command:

python spamfilter.py spam/ easy\_ham/ test

**Problem 3**

**Problem 4**

**A)**

**B)**

**C)**

19 19 1 1 0 20 0 20

20 17 0 3 0 20 0 20

20 20 0 0 0 20 0 20

18 17 2 3 0 20 0 20

20 19 0 1 0 20 0 20