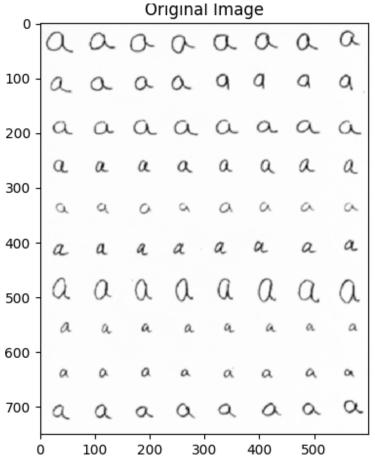
Enhancements:

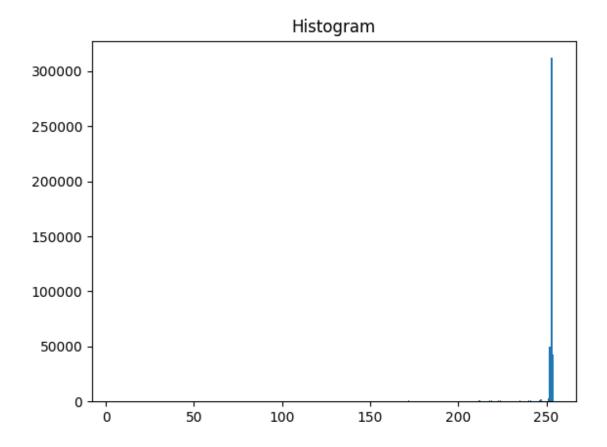
One enhancement I made on the program was making sure that the program would not include characters that are too small, so I had created a size threshold for identifying letters, this allows, this increased the accuracy from 0.12857142857142856 to 0.45714285714285713

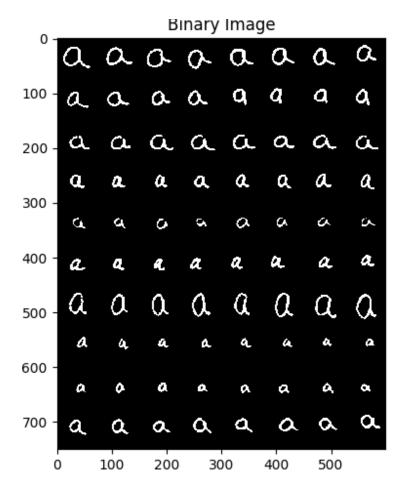
Another enhancement I made was changing the threshold from 200 to 225, this changed my accuracy from 0.35714285714285715 to 0.5428571428571428

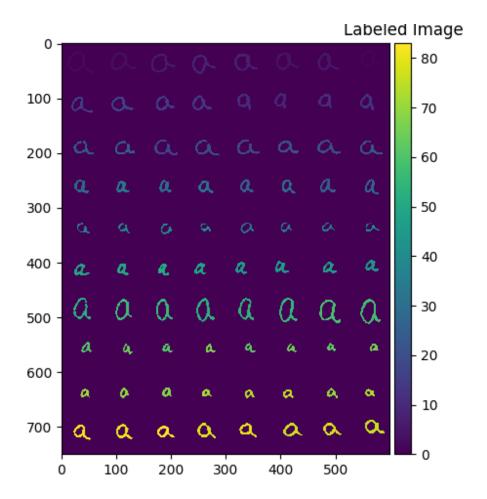
With all of my enhancements my total recognition rate was 54%

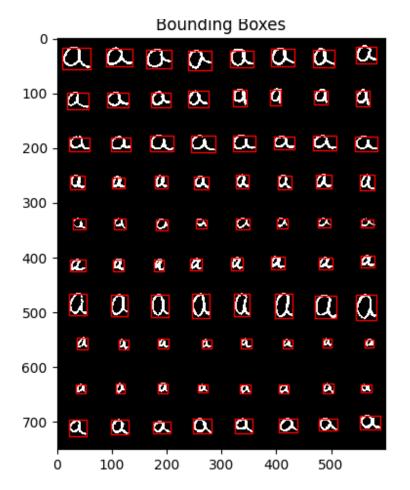
Training Images
Original, histogram, binary, labeled, bounded:

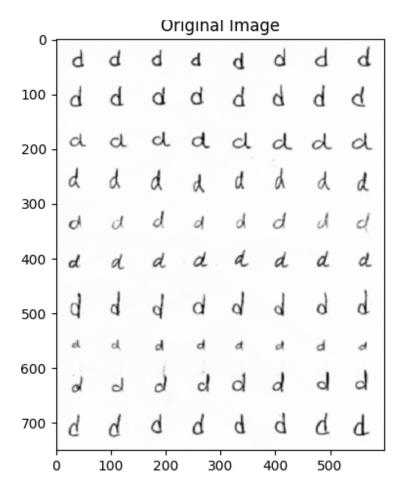


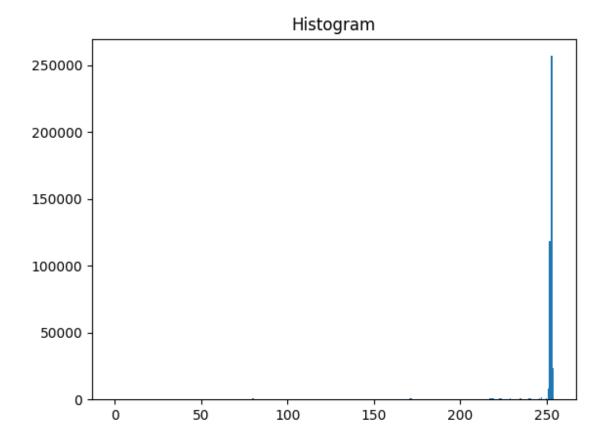


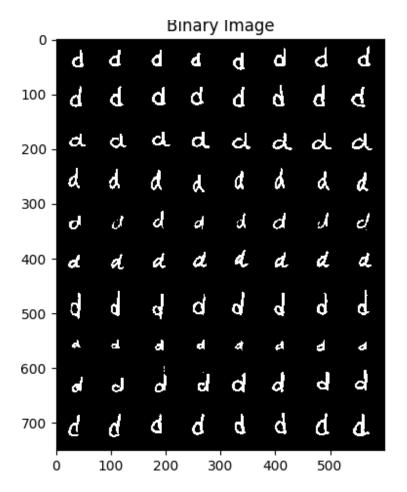


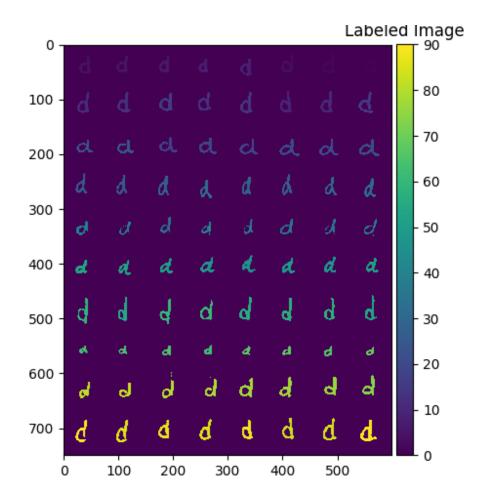


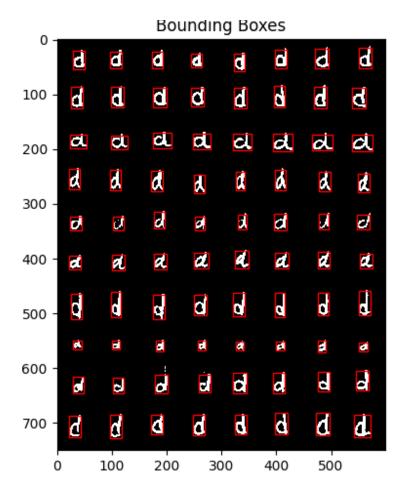


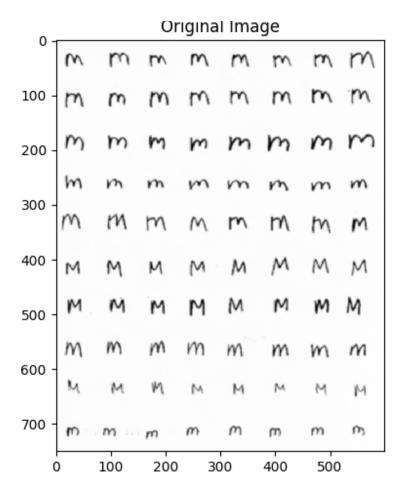


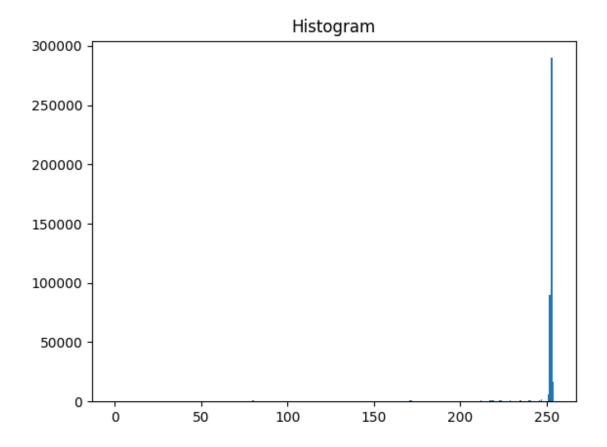


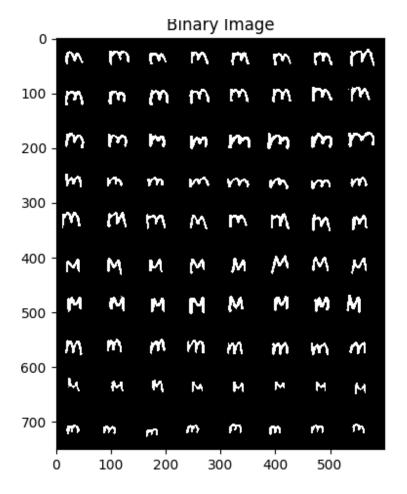


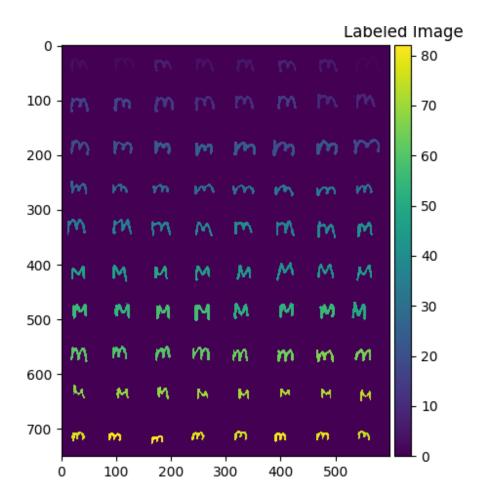


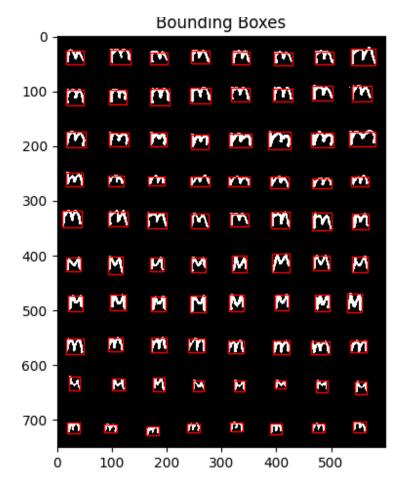


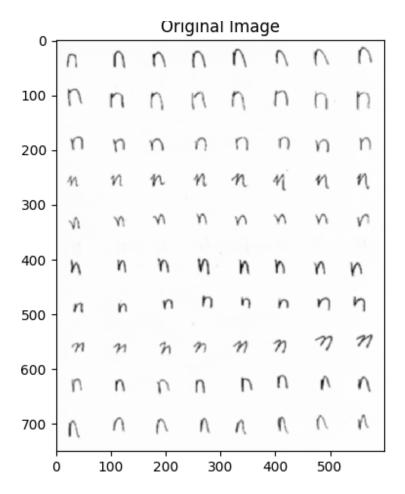


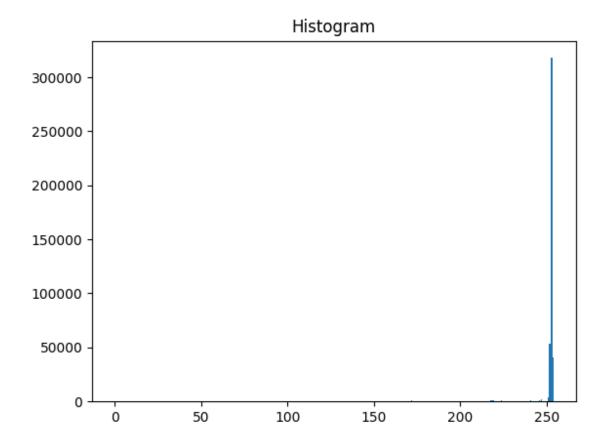


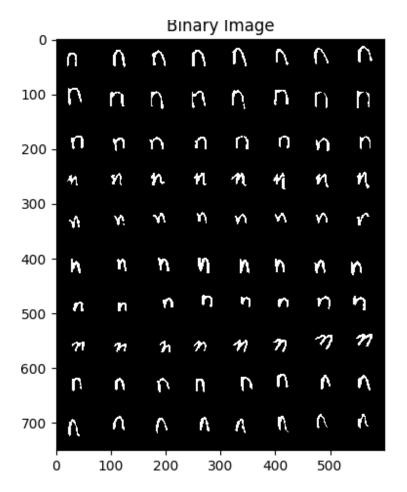


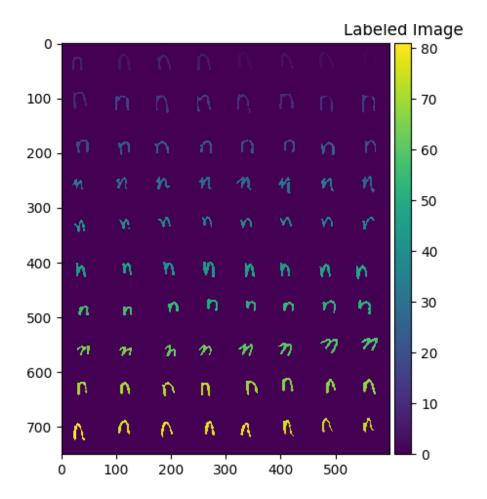


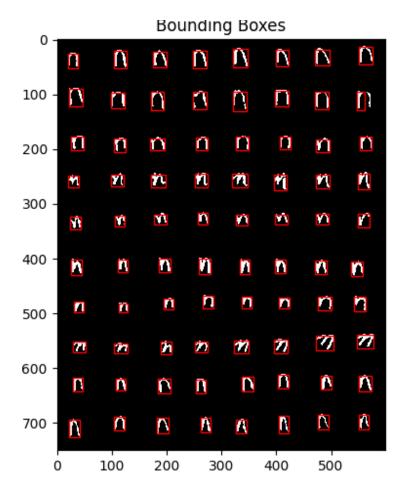


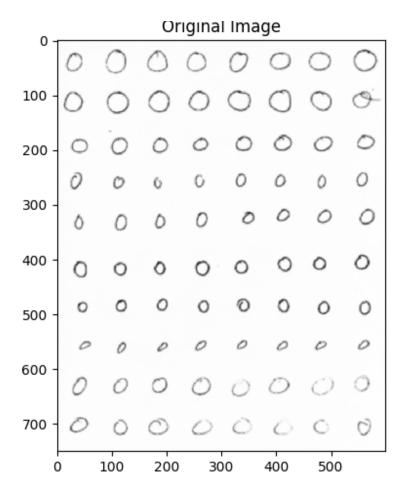


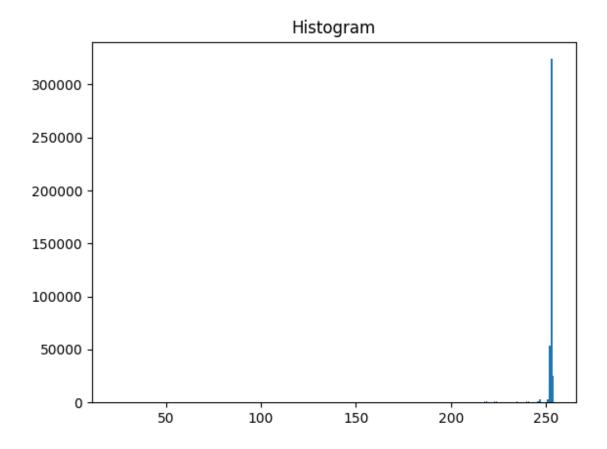


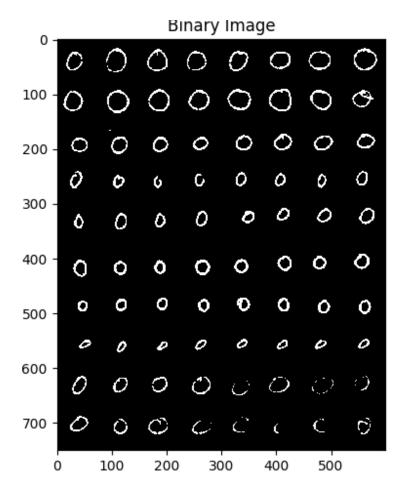


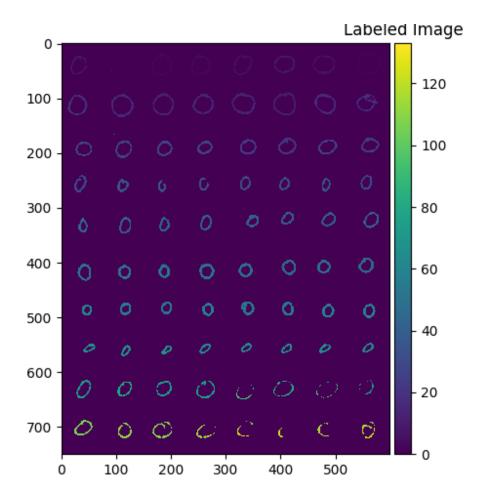


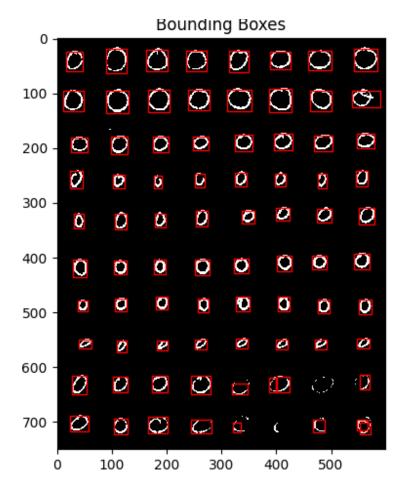


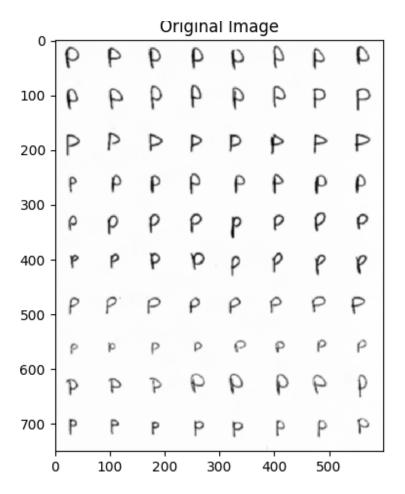


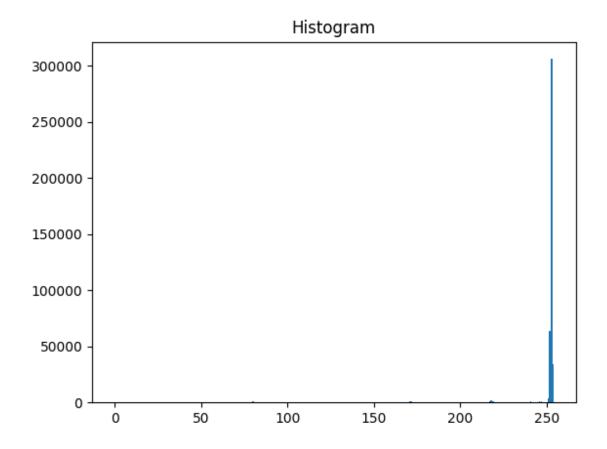


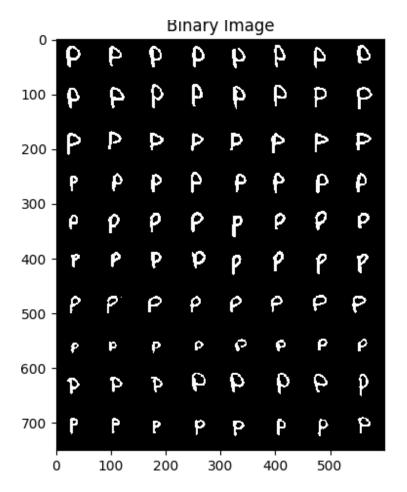


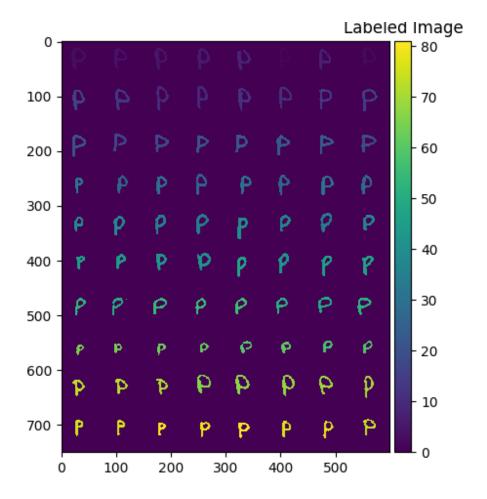


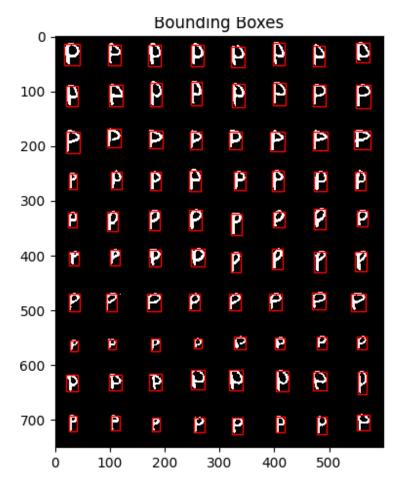


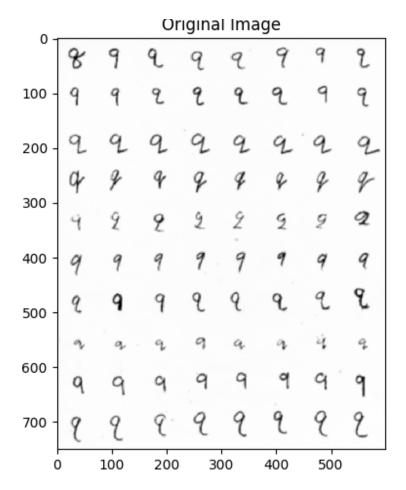


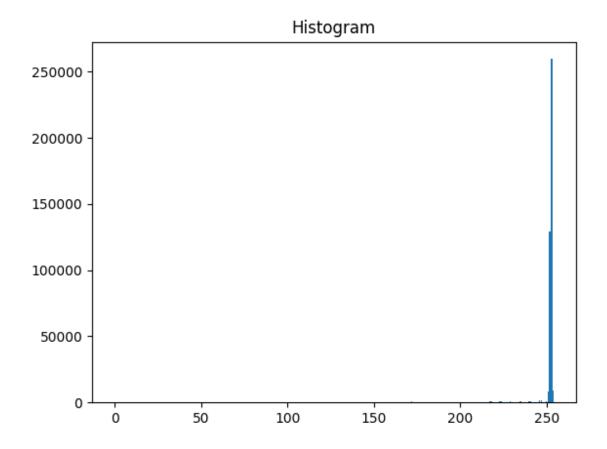


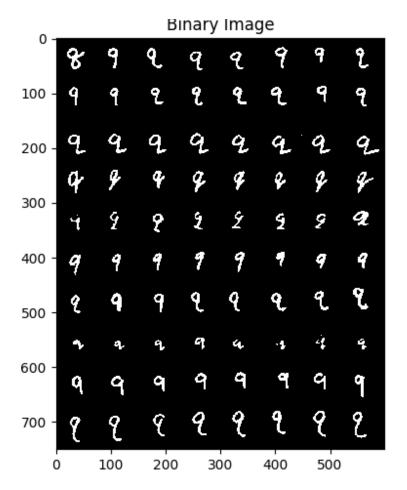


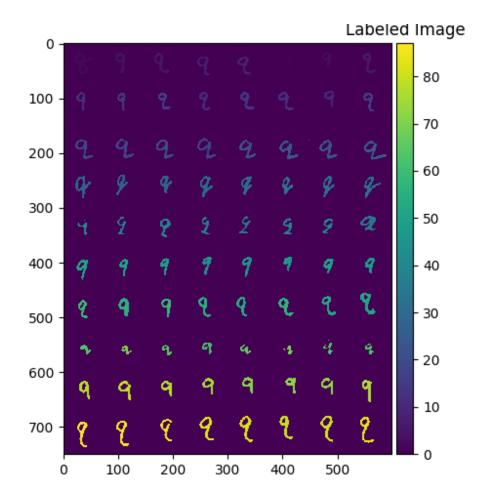


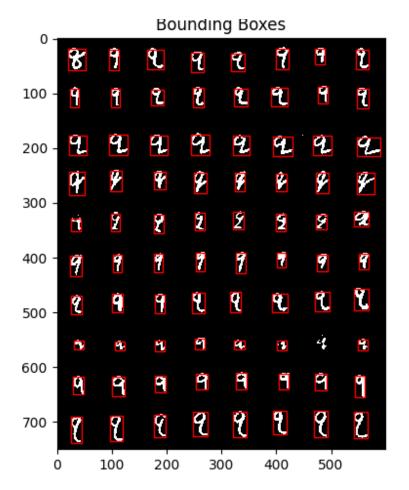


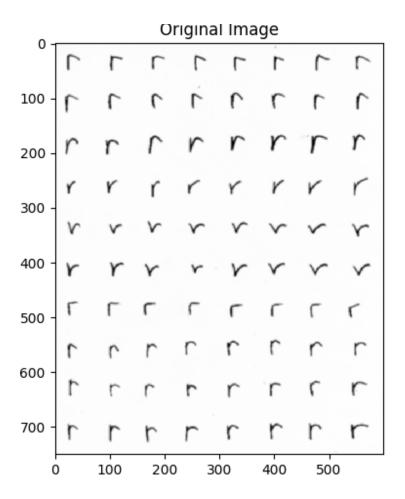


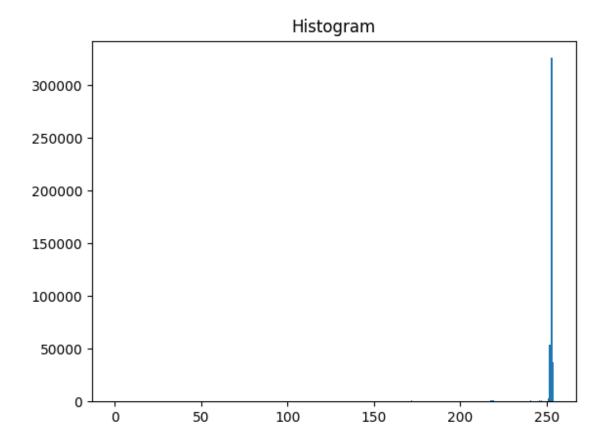


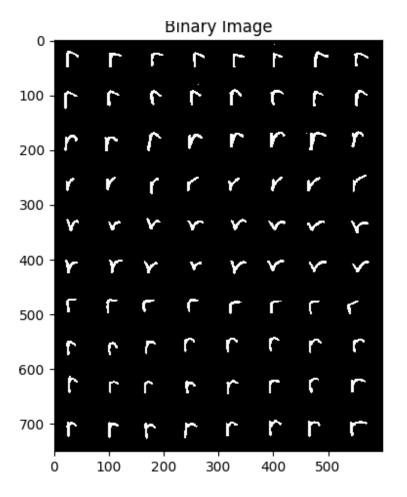


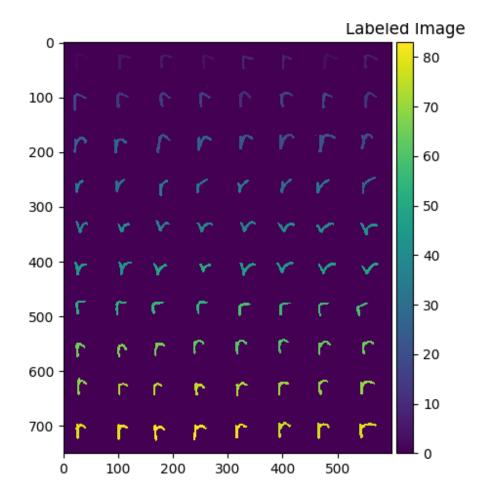


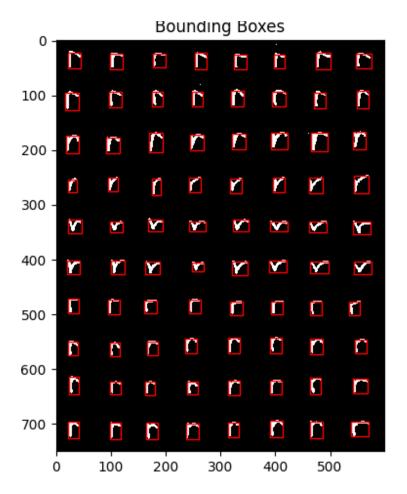


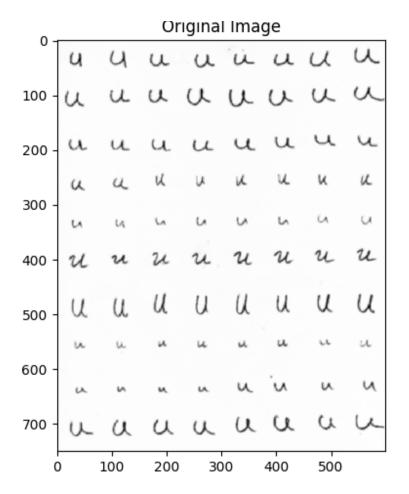


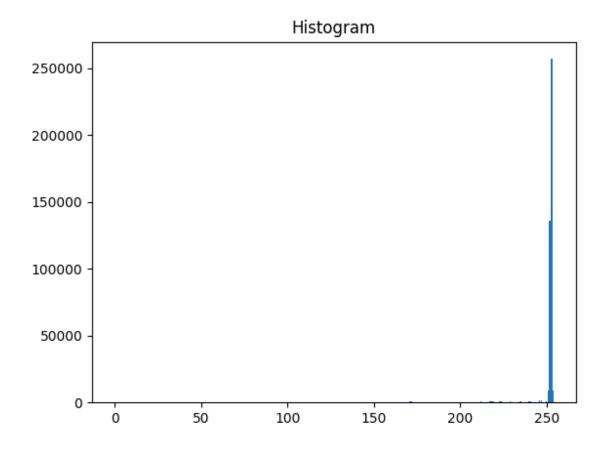


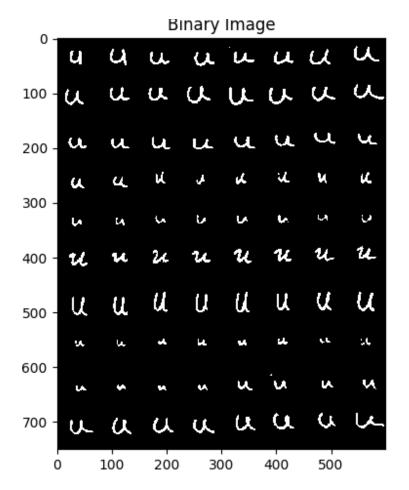


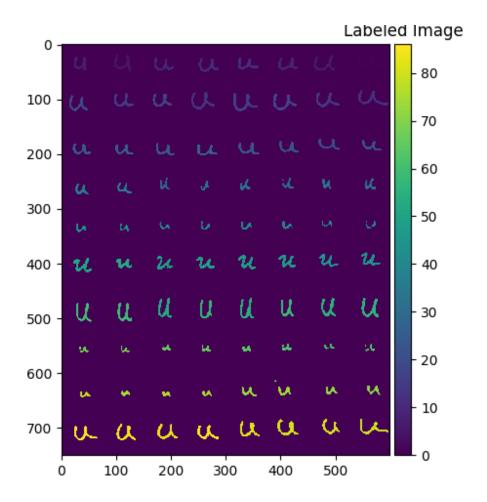


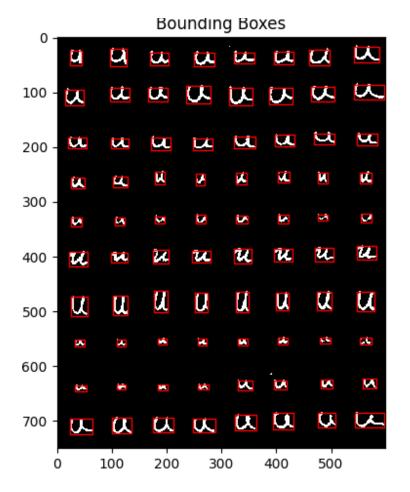


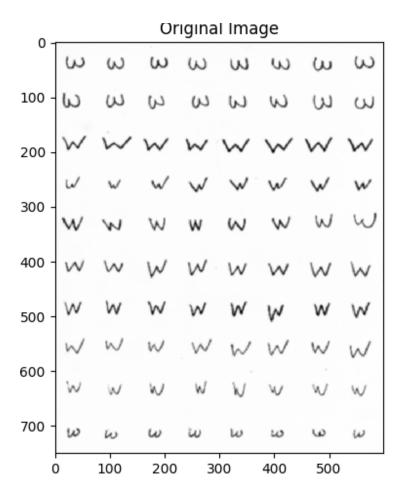


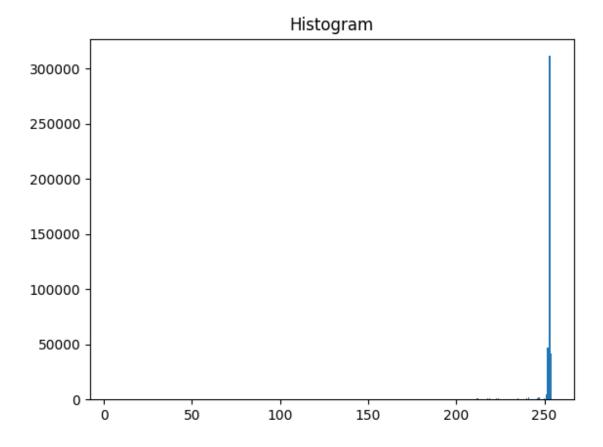


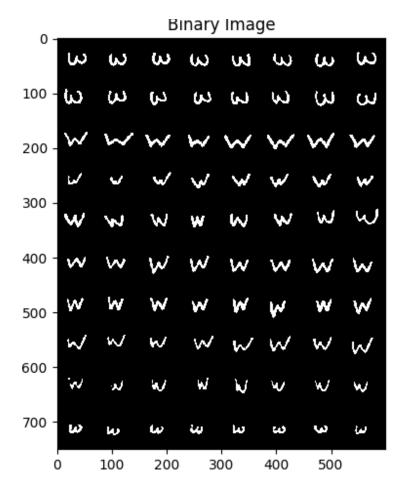


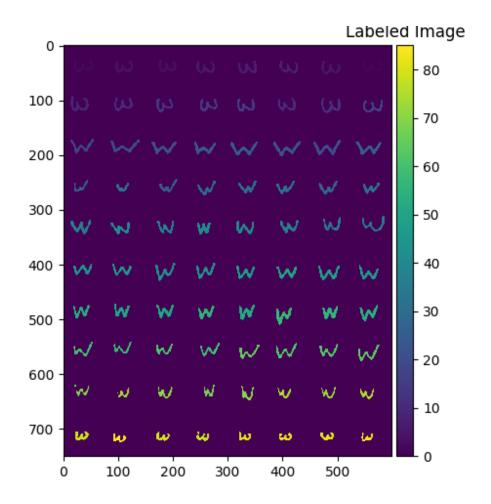


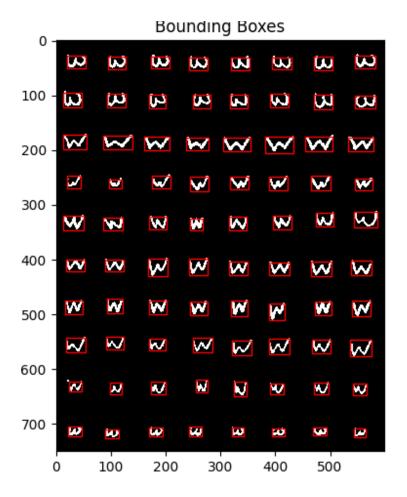












The Features Array is of size (800,7)