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## Part 1

Percent 0 correct = 0.9988888888888889

Percent 1 correct = 0.9988888888888889

Comment about the classification accuracy:

Only 1 of 900 test cases is misclassified for both digital 0 and digital 1.

Name of group member who wrote this part:

Moyan Lv

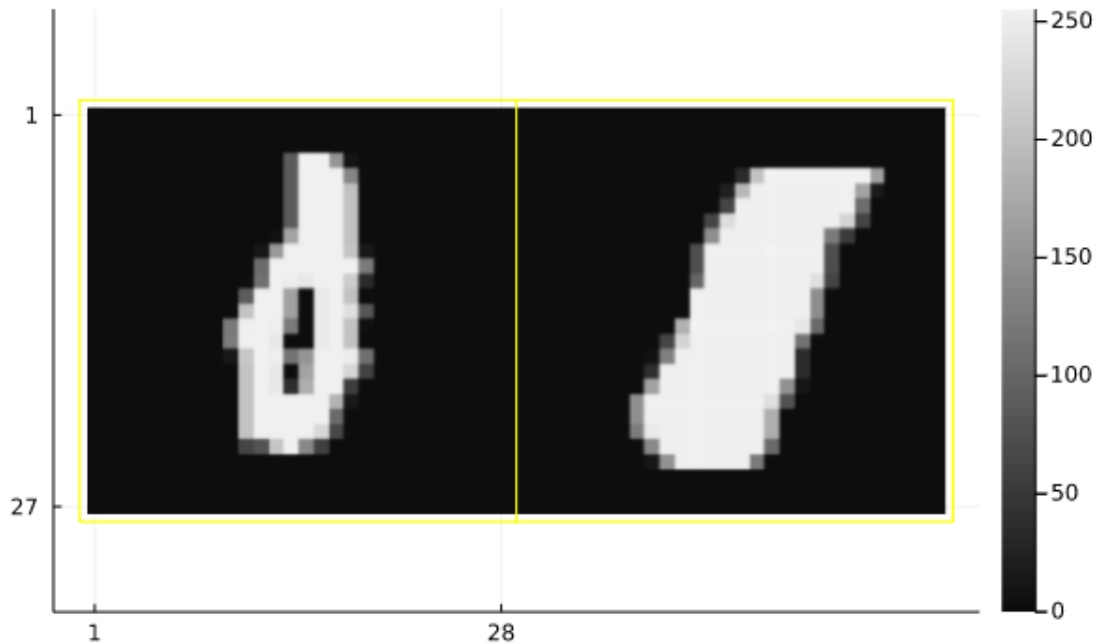
## Part 2

Indexes of the misclassified digits:

incorrect0 = [43]

incorrect1 = [673]

Display of the misclassified digits:



Comment on why you think these digits were misclassified:

The first picture of 0 looks like digital 1 while the second picture of 1 looks like digital 0.

Name of group member who wrote this part:

Yu Gan

## Part 3

Percent 0 correct = 0.9988888888888889

Percent 1 correct = 0.9988888888888889

Comment about the classification accuracy:

By using the vector 2-norm method instead of calculating the angle of two angles, we found that the percentages of correctly classified digits 0 and 1 are identical with it in part 2. Moreover, the indexes of the misclassified digits are also the same which are listed below:

incorrect0 = [43]

incorrect1 = [673]

Probably we need a better evaluation function to decide how close two vectors are or we could do a pre-processing on the data in order to get rid of noisy information.

Name of group member who wrote this part:

Yuzhan Jiang