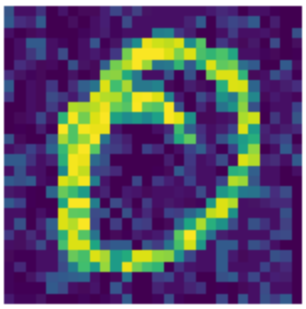
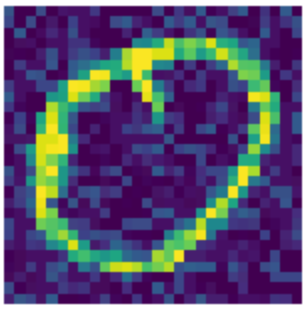
```
+----------+---------+---------------------+---------------------+
| Metric   | Clean   | No Defense Attack   | w/ Defense Attack   |
+==========+=========+=====================+=====================+
| Loss     | 0.0416  | 0.478               | 0.00131             |
+----------+---------+---------------------+---------------------+
| Accuracy | 98%     | 77%                 | 100%                |
+----------+---------+---------------------+---------------------+

Example Misclassifications:

------------------------------------------------------------
Number of misclassified images for Clean: 1
Attack: cw_pgd_attack
Dataset: EMNIST
Training Epochs: 10
Trained Clean Images: 64
Test Images: 625
Accuracy: 0.98
Precision: 1.00
Recall: 0.99
F1-score: 0.99
ROC AUC Score: 1.00
------------------------------------------------------------

Misclassifications:
0 -> 4: 1
```


```
------------------------------------------------------------
Number of misclassified images for No Defense Attack: 15
Attack: cw_pgd_attack
Dataset: EMNIST
Training Epochs: 10
Adversarial Training Images: 60
Test Images: 625
Accuracy: 0.77
Precision: 0.97
Recall: 0.78
F1-score: 0.87
ROC AUC Score: 1.00
------------------------------------------------------------

Misclassifications:
0 -> 5: 3
0 -> 2: 7
0 -> 9: 3
0 -> 6: 1
0 -> 4: 1
```

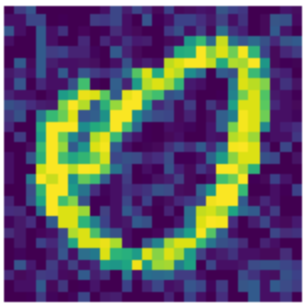
0 -> 5



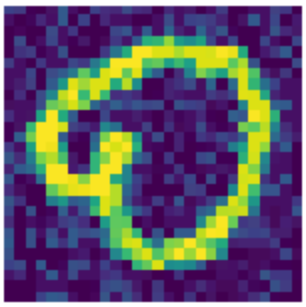
0 -> 5



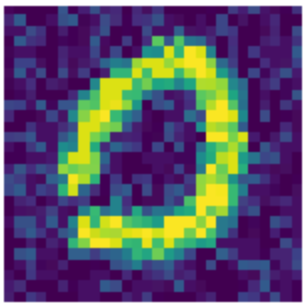
0 -> 2



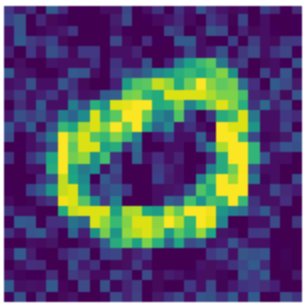
0 -> 9



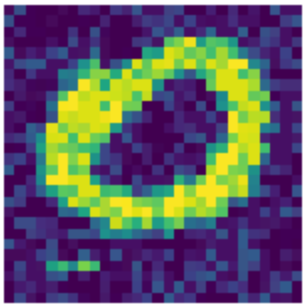
0 -> 9



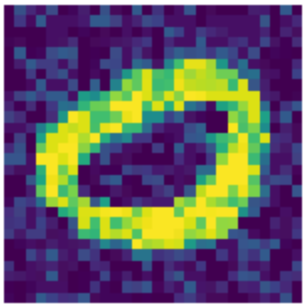
0 -> 2



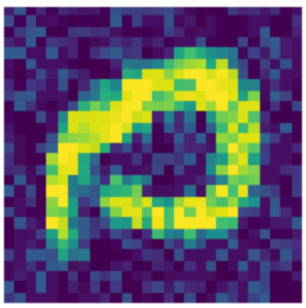
0 -> 2



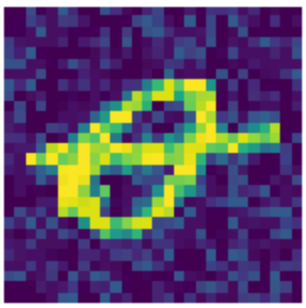
0 -> 2



0 -> 5

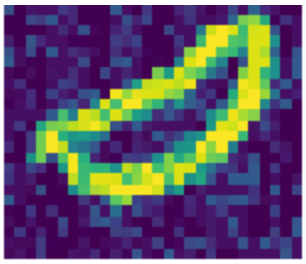


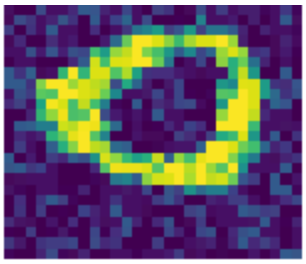
0 -> 9



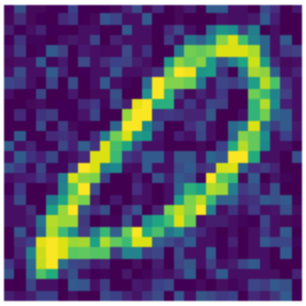
0 -> 2

0 -> 2

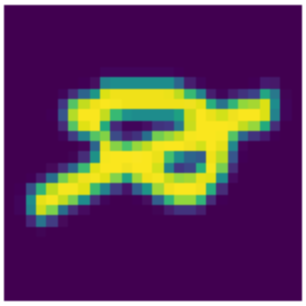




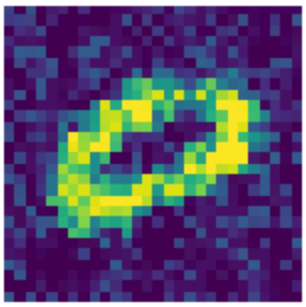
0 -> 6



0 -> 4



0 -> 2



```
------------------------------------------------------------
No misclassified images for stage: w/ Defense Attack
Attack: cw_pgd_attack
Dataset: EMNIST
Training Epochs: 10
Retrained Clean and Adversarial Images: 124
Test Images: 625
Accuracy: 1.00
Precision: 1.00
Recall: 1.00
F1-score: 1.00
ROC AUC score is not defined for a single class.
------------------------------------------------------------
```