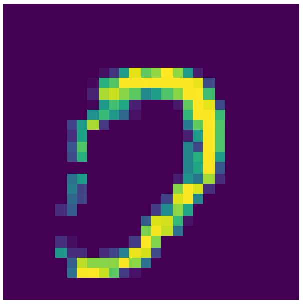
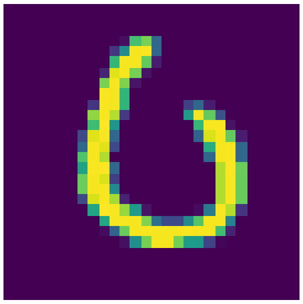
```
+----------+---------+---------------------+---------------------+
| Metric   | Clean   | No Defense Attack   | w/ Defense Attack   |
+==========+=========+=====================+=====================+
| Loss     | 0.105   | 5.14                | 0.134               |
+----------+---------+---------------------+---------------------+
| Accuracy | 97%     | 5%                  | 92%                 |
+----------+---------+---------------------+---------------------+

Example Misclassifications:

---------------------------------------------------------
Number of misclassified images for Clean: 2
Attack: fgsm_bim_attack
Dataset: MNIST
Training Epochs: 10
Trained Clean Images: 64
Test Images: 140
Accuracy: 0.97
Precision: 0.99
Recall: 0.98
F1-score: 0.98
ROC AUC Score: 1.00
---------------------------------------------------------

Misclassifications:
0 -> 7: 1
0 -> 6: 1
```

0 -> 7

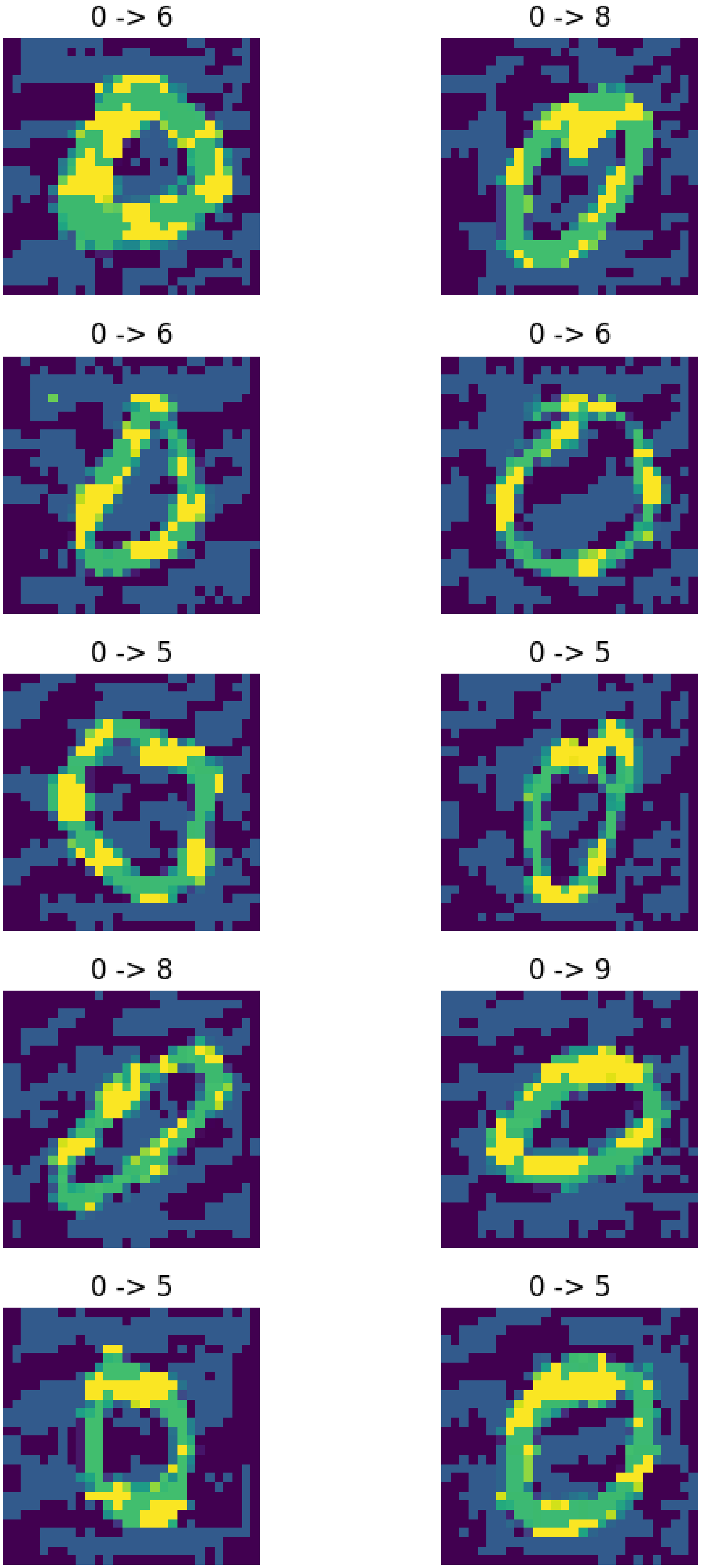


0 -> 6



```
---------------------------------------------------------
Number of misclassified images for No Defense Attack: 61
Attack: fgsm_bim_attack
Dataset: MNIST
Training Epochs: 10
Adversarial Training Images: 60
Test Images: 140
Accuracy: 0.05
Precision: 0.09
Recall: 0.08
F1-score: 0.08
ROC AUC Score: 1.00
---------------------------------------------------------

Misclassifications:
0 -> 6: 14
0 -> 8: 4
0 -> 5: 14
0 -> 9: 11
```

```
0 -> 7: 12
0 -> 4: 5
0 -> 2: 1
```



0 -> 6

0 -> 8

0 -> 6

0 -> 6

0 -> 5

0 -> 5

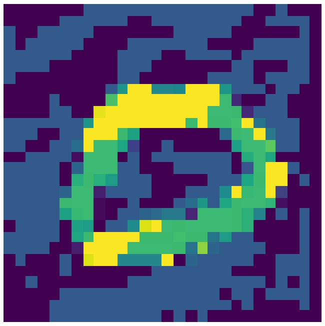
0 -> 8

0 -> 9

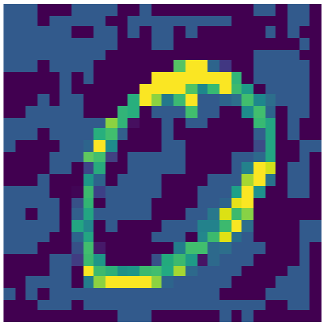
0 -> 5

0 -> 5

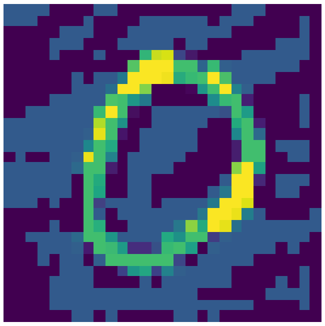
0 -> 5



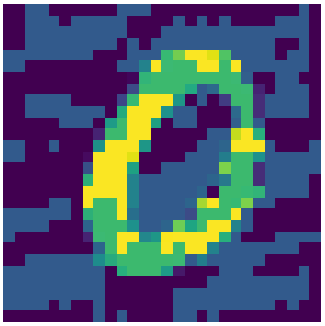
0 -> 9



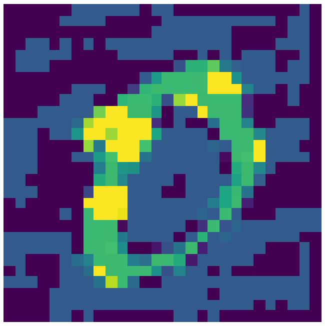
0 -> 9



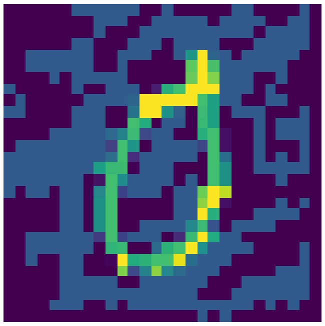
0 -> 6



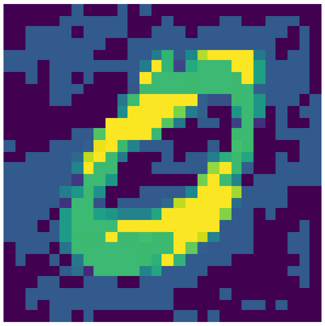
0 -> 7



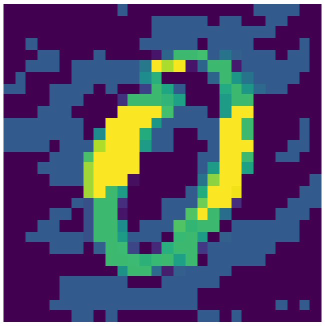
0 -> 7



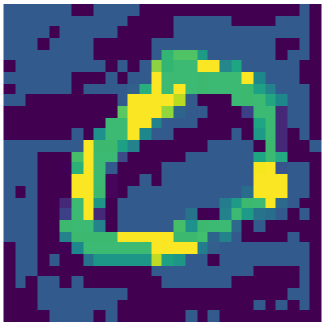
0 -> 4



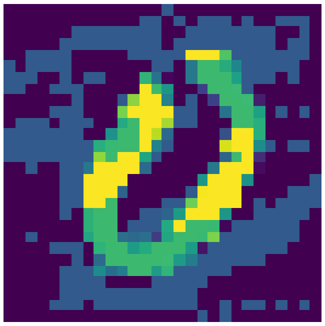
0 -> 7



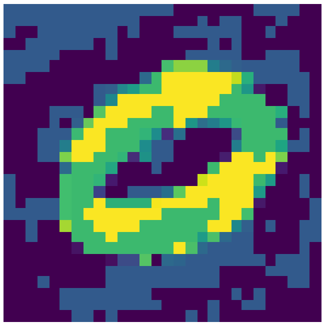
0 -> 6



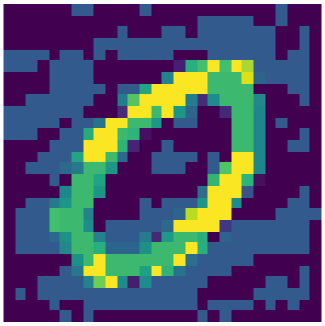
0 -> 4



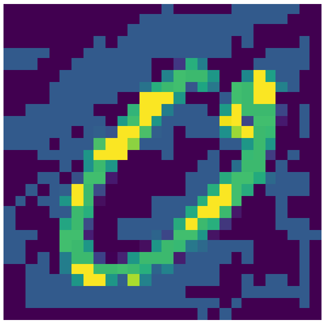
0 -> 9



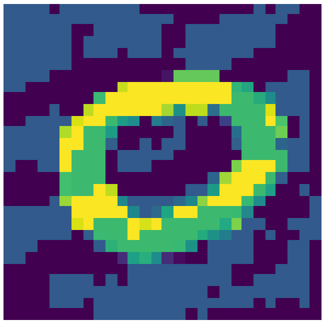
0 -> 7



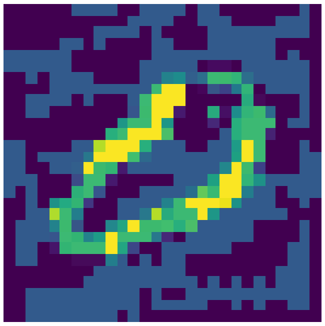
0 -> 7



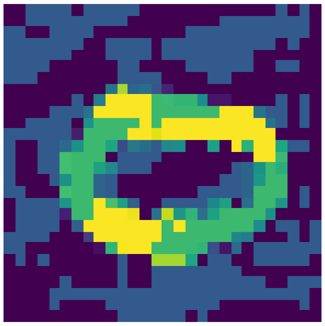
0 -> 9



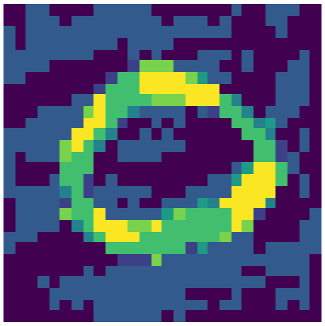
0 -> 4



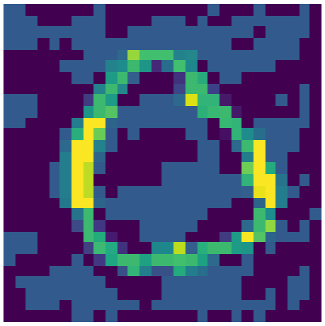
0 -> 5



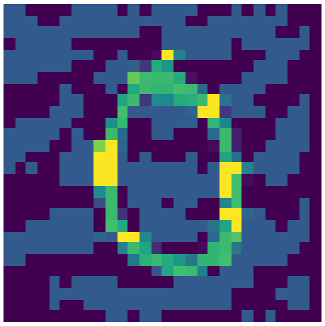
0 -> 9



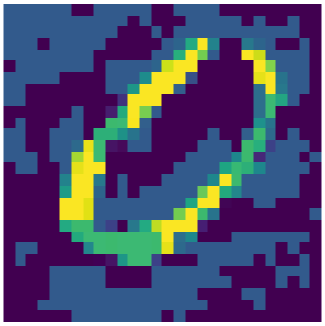
0 -> 6

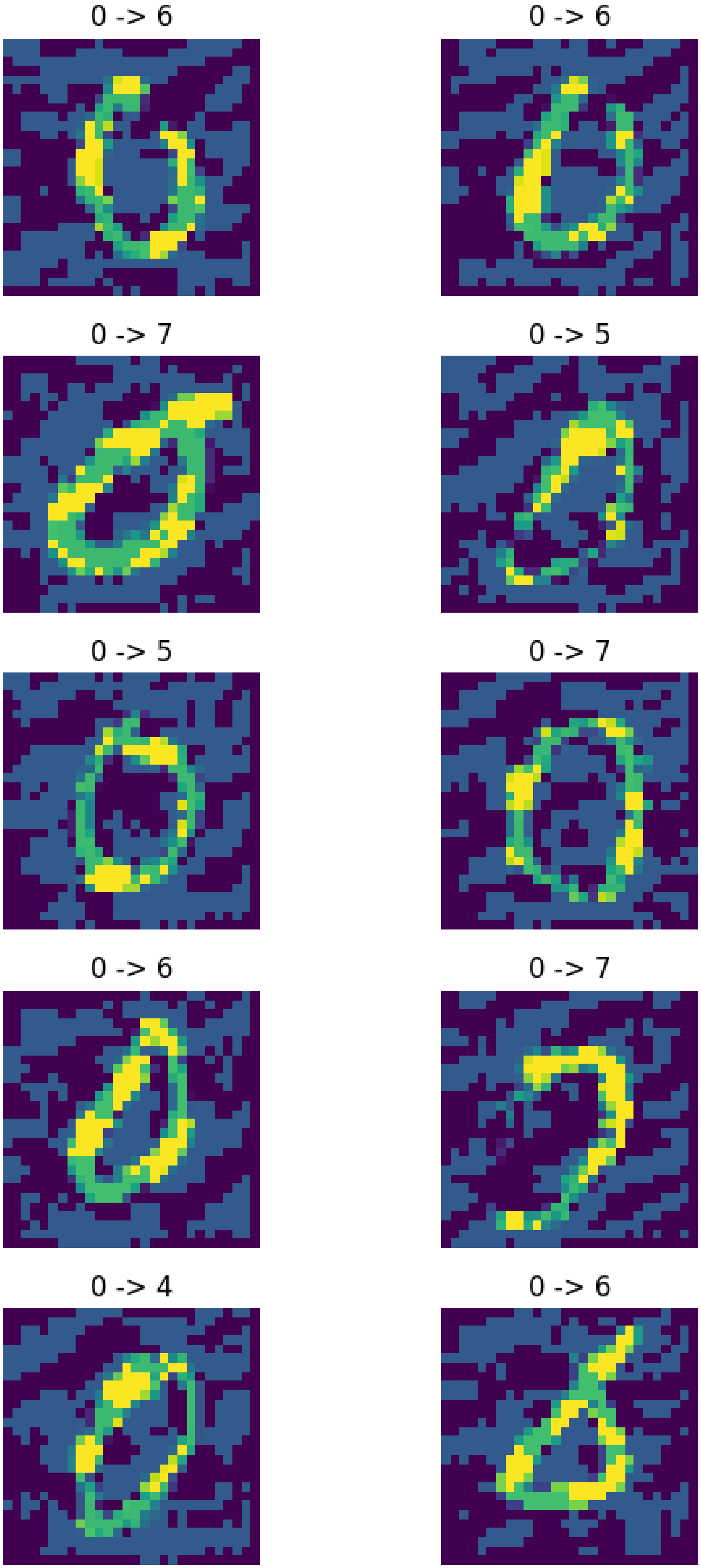


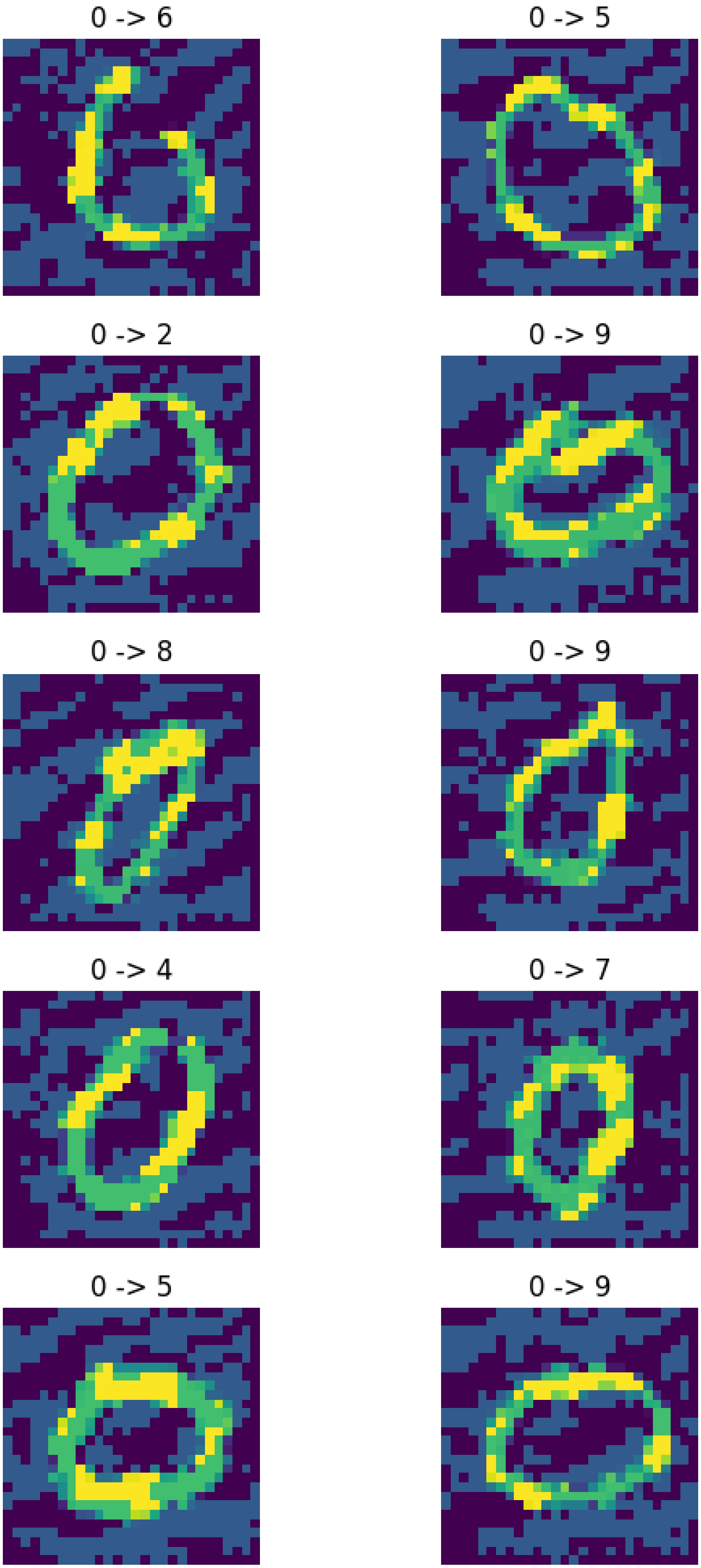
0 -> 5

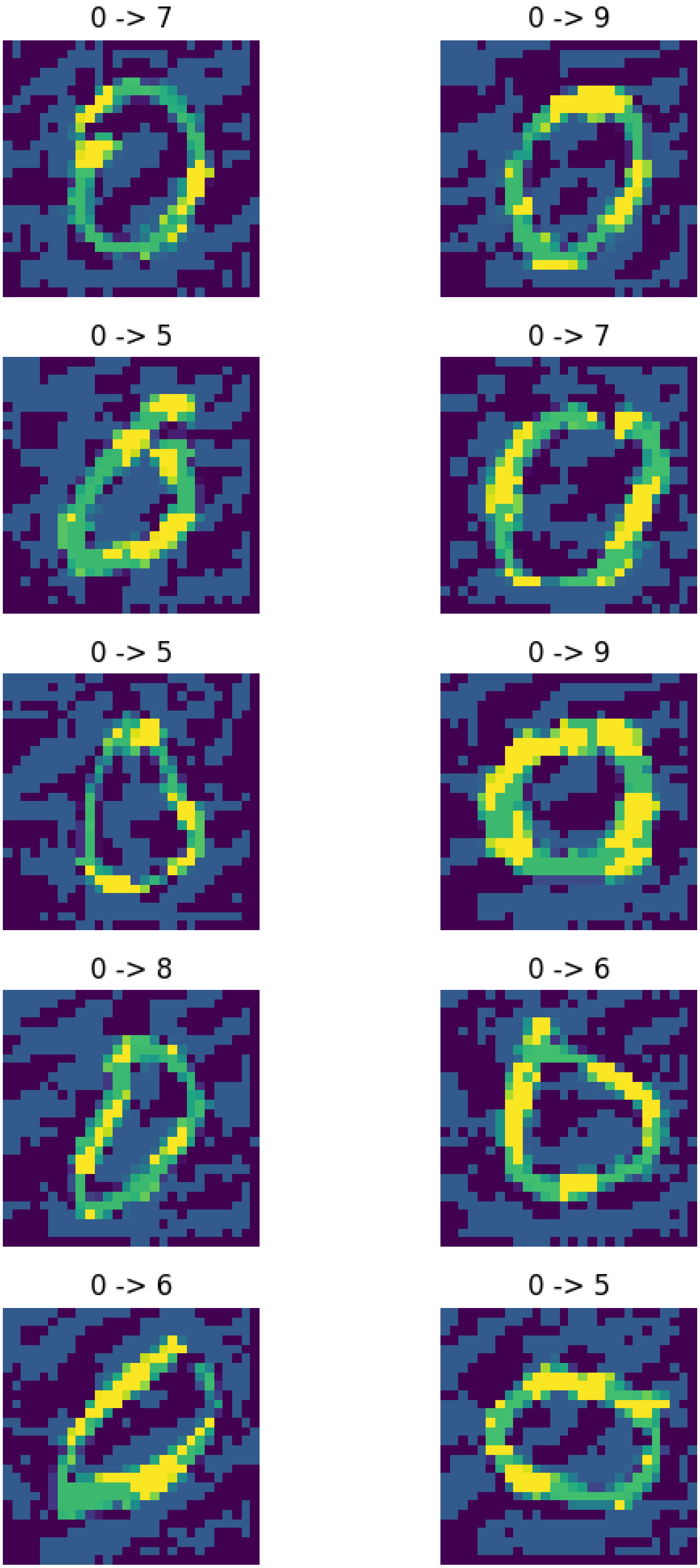


0 -> 6




0 -> 6
0 -> 6
0 -> 7
0 -> 5
0 -> 5
0 -> 7
0 -> 6
0 -> 7
0 -> 4
0 -> 6


0 -> 6
0 -> 5
0 -> 2
0 -> 9
0 -> 8
0 -> 9
0 -> 4
0 -> 7
0 -> 5
0 -> 9



0 -> 7

0 -> 9

0 -> 5

0 -> 7

0 -> 5

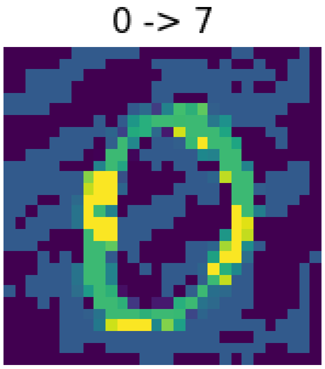
0 -> 9

0 -> 8

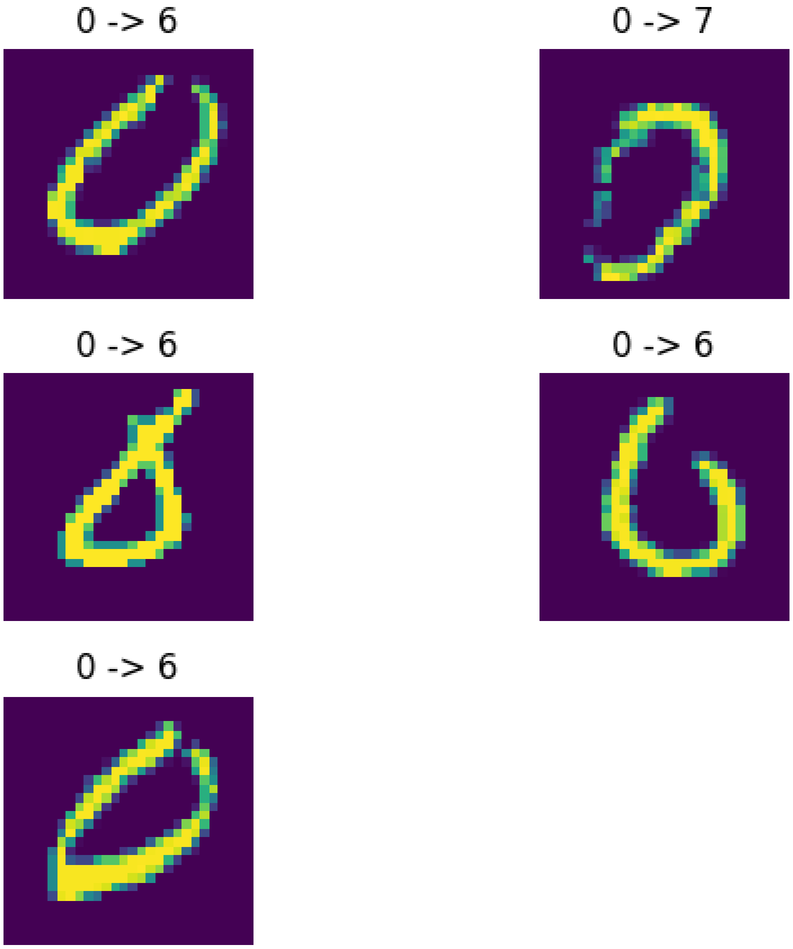
0 -> 6

0 -> 6

0 -> 5



```
---------------------------------------------------------
Number of misclassified images for w/ Defense Attack: 5
Attack: fgsm_bim_attack
Dataset: MNIST
Training Epochs: 10
Retrained Clean and Adversarial Images: 124
Test Images: 140
Accuracy: 0.92
Precision: 0.96
Recall: 0.96
F1-score: 0.96
ROC AUC Score: 1.00
---------------------------------------------------------

Misclassifications:
0 -> 6: 4
0 -> 7: 1
```



0 -> 6

0 -> 7

0 -> 6

0 -> 6

0 -> 6