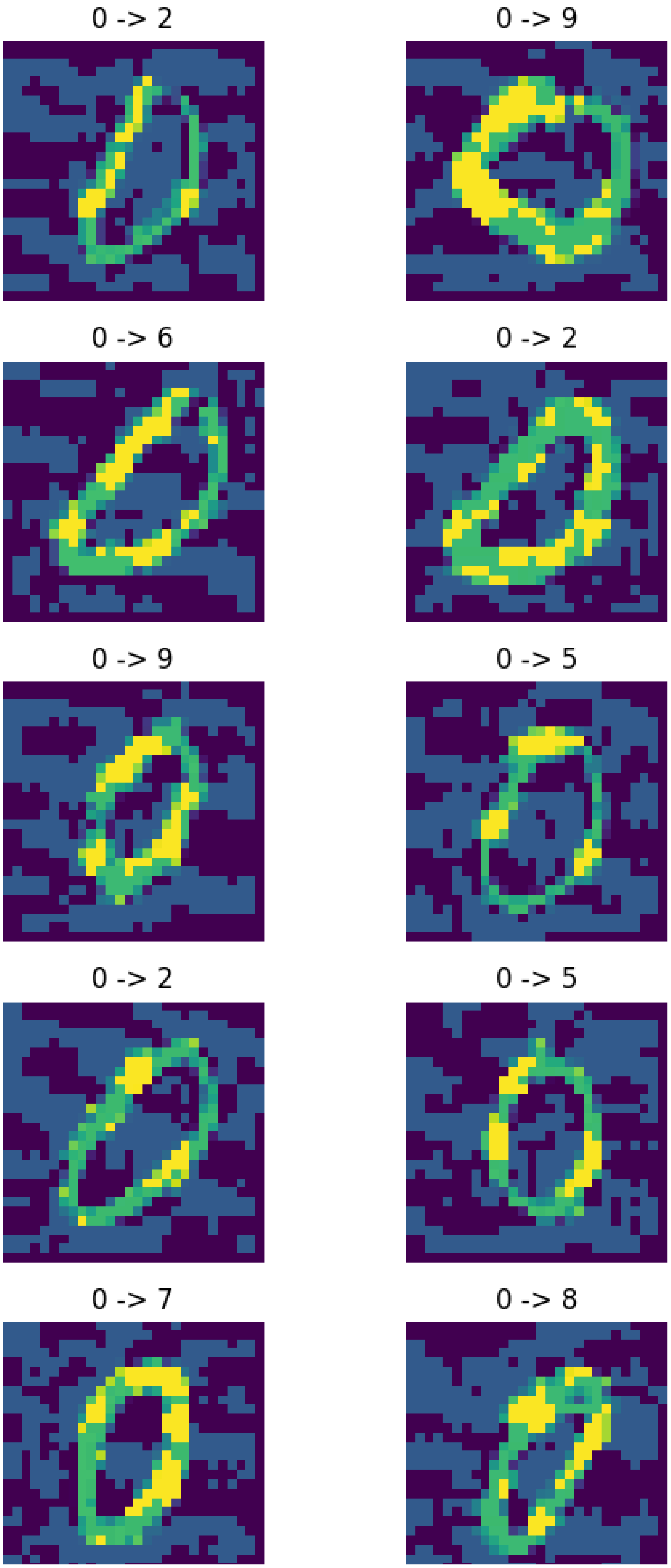
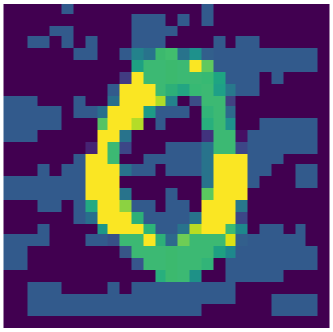
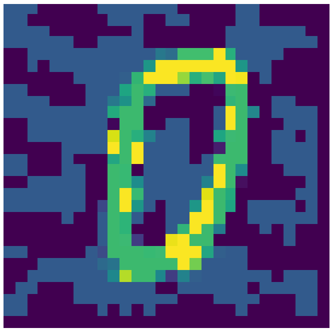
```
+----------+----------+---------------------+---------------------+
| Metric   | Clean    | No Defense Attack   | w/ Defense Attack   |
+==========+==========+=====================+=====================+
| Loss     | 0.000641 | 3.93                | 0.00759             |
+----------+----------+---------------------+---------------------+
| Accuracy | 100%     | 16%                 | 100%                |
+----------+----------+---------------------+---------------------+

Example Misclassifications:

--------------------------------------------------------------
No misclassified images for stage: Clean
Attack: fgsm_cw_attack
Dataset: MNIST
Training Epochs: 10
Trained Clean Images: 64
Test Images: 140
Accuracy: 1.00
Precision: 1.00
Recall: 1.00
F1-score: 1.00
ROC AUC score is not defined for a single class.
--------------------------------------------------------------



--------------------------------------------------------------
Number of misclassified images for No Defense Attack: 54
Attack: fgsm_cw_attack
Dataset: MNIST
Training Epochs: 10
Adversarial Training Images: 60
Test Images: 140
Accuracy: 0.16
Precision: 0.28
Recall: 0.24
F1-score: 0.26
ROC AUC Score: 1.00
--------------------------------------------------------------

Misclassifications:
0 -> 2: 12
0 -> 9: 15
0 -> 6: 6
0 -> 5: 5
0 -> 7: 7
0 -> 8: 7
0 -> 1: 2
```


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

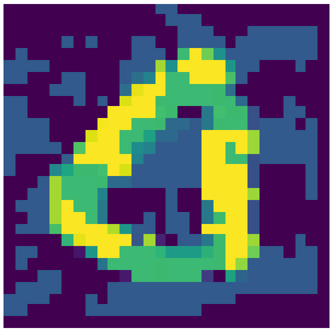
0 -> 9



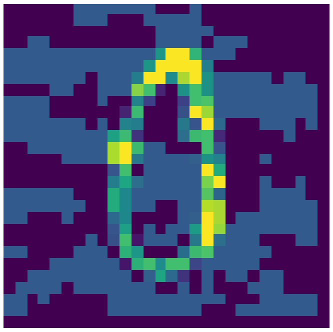
0 -> 2



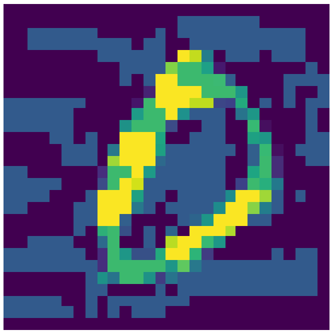
0 -> 9



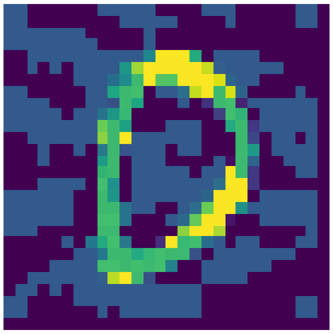
0 -> 1



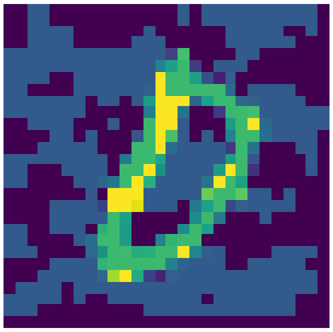
0 -> 6



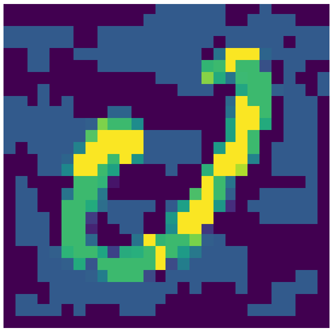
0 -> 2



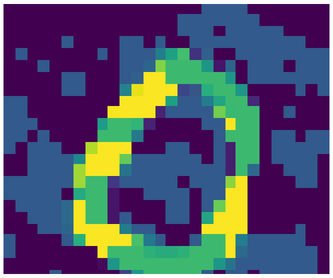
0 -> 8



0 -> 2



0 -> 9



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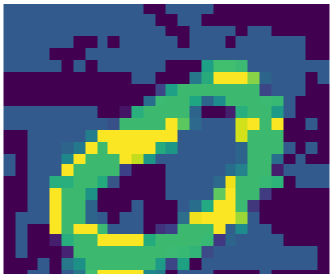

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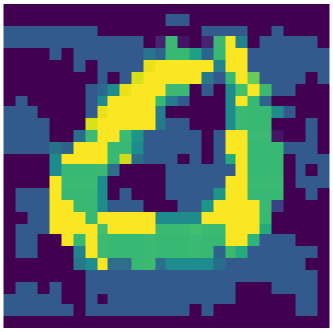
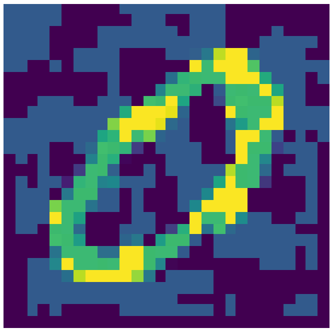


0 -> 2



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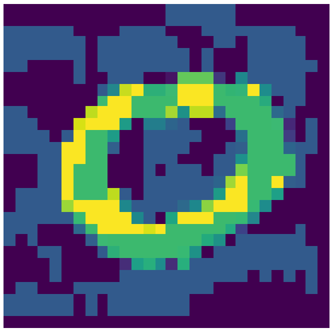
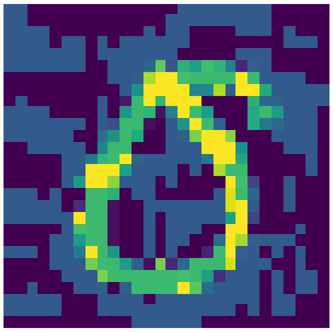


0 -> 8



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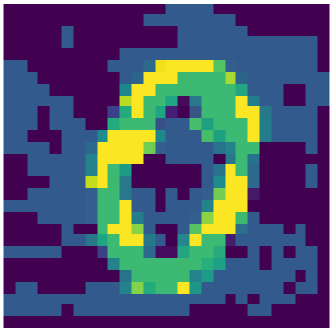

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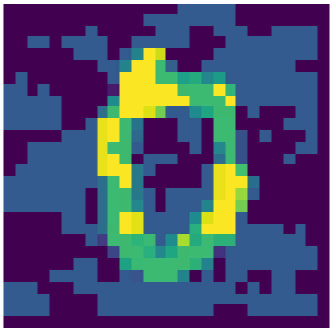

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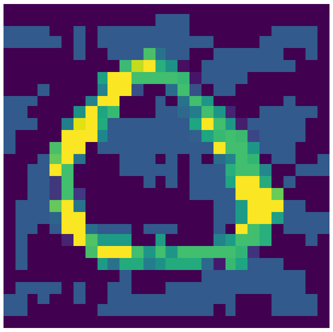
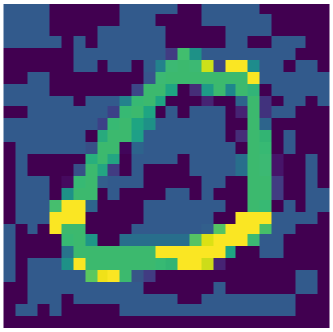
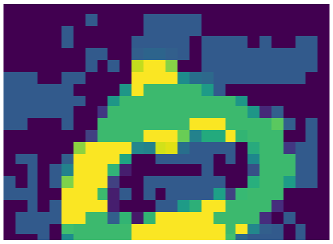


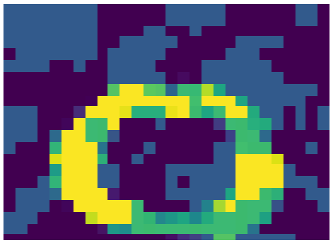
0 -> 2

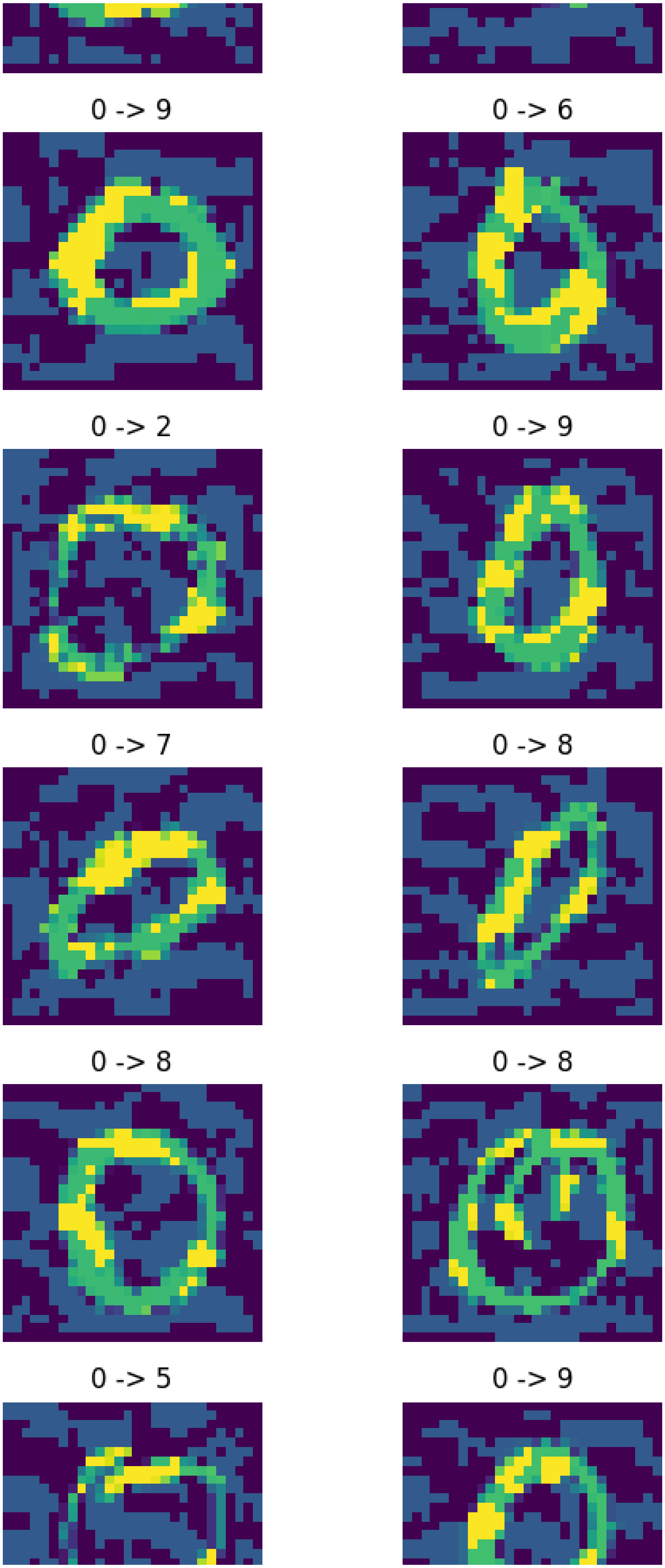


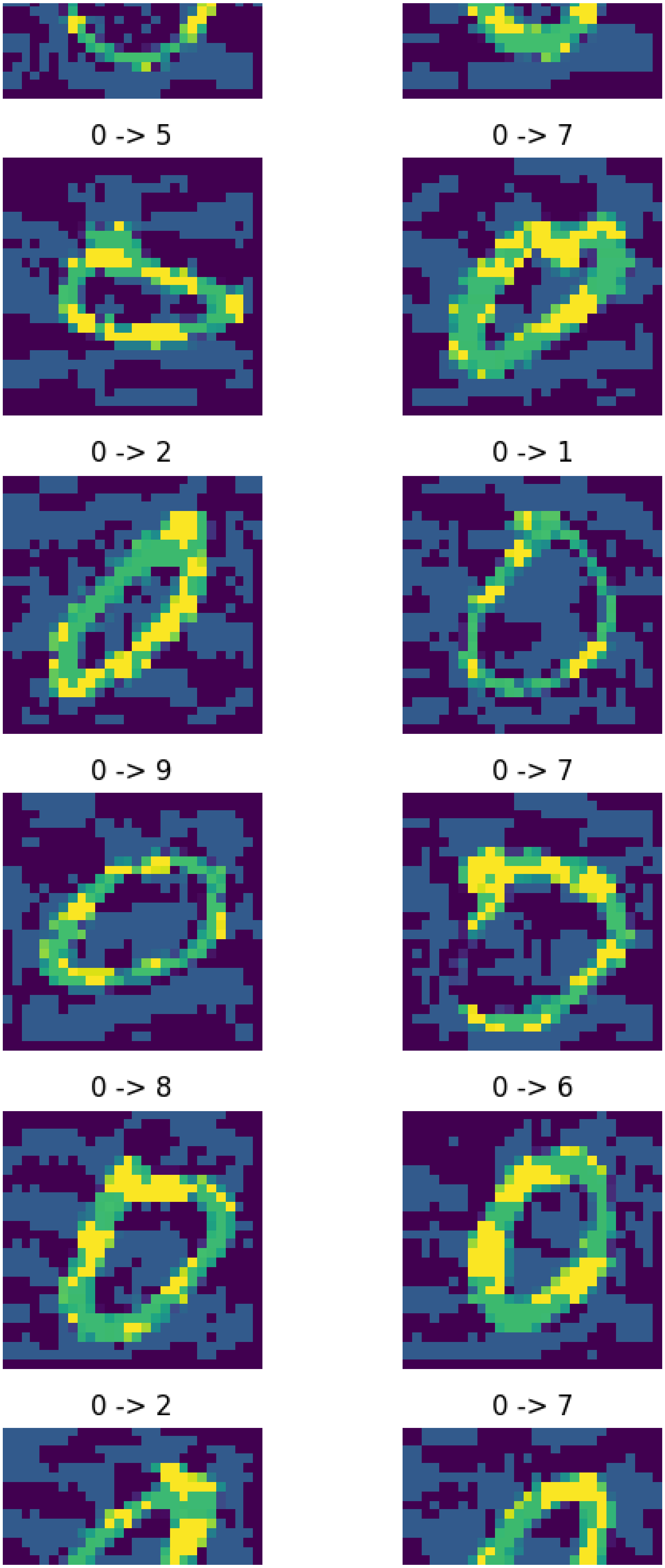
0 -> 6

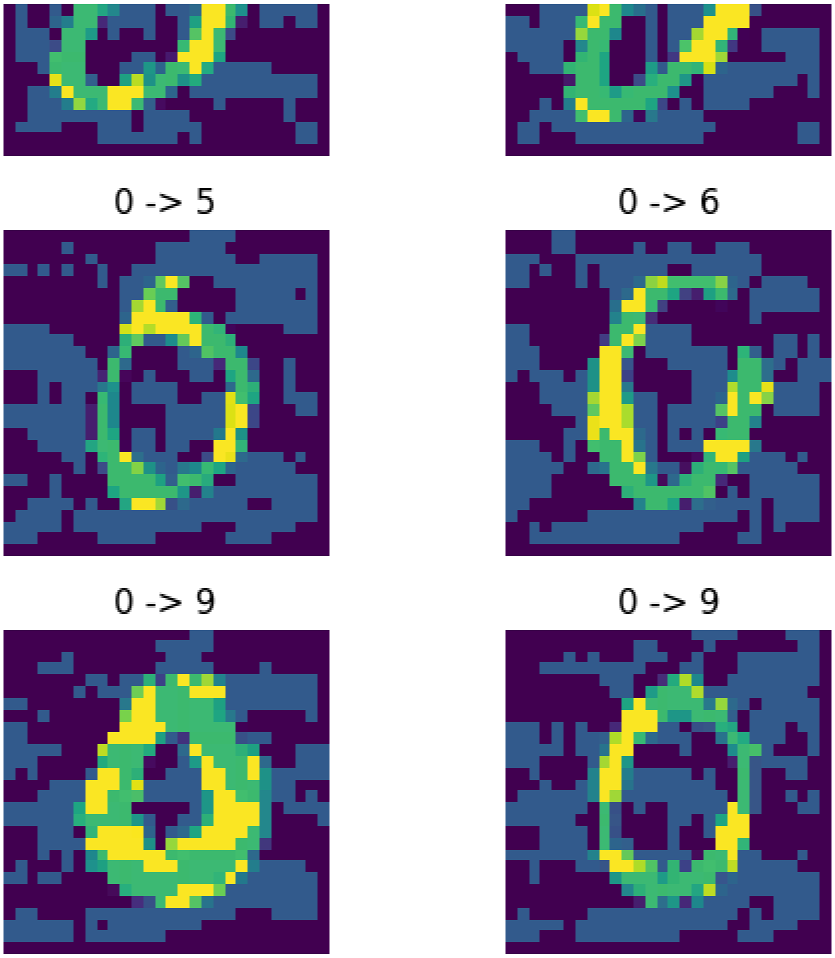


0 -> 9




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


0 -> 5
0 -> 7
0 -> 2
0 -> 1
0 -> 9
0 -> 7
0 -> 8
0 -> 6
0 -> 2
0 -> 7



0 -> 5

0 -> 6

0 -> 9

0 -> 9

```
---------------------------------------------------------
No misclassified images for stage: w/ Defense Attack
Attack: fgsm_cw_attack
Dataset: MNIST
Training Epochs: 10
Retrained Clean and Adversarial Images: 124
Test Images: 140
Accuracy: 1.00
Precision: 1.00
Recall: 1.00
F1-score: 1.00
ROC AUC score is not defined for a single class.
---------------------------------------------------------
```