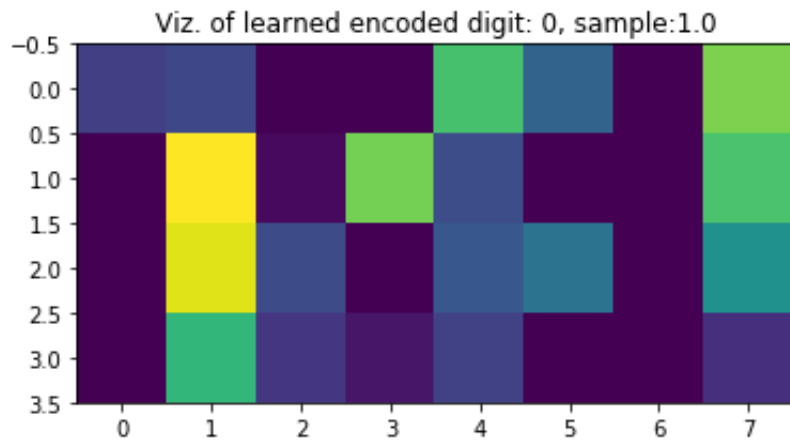


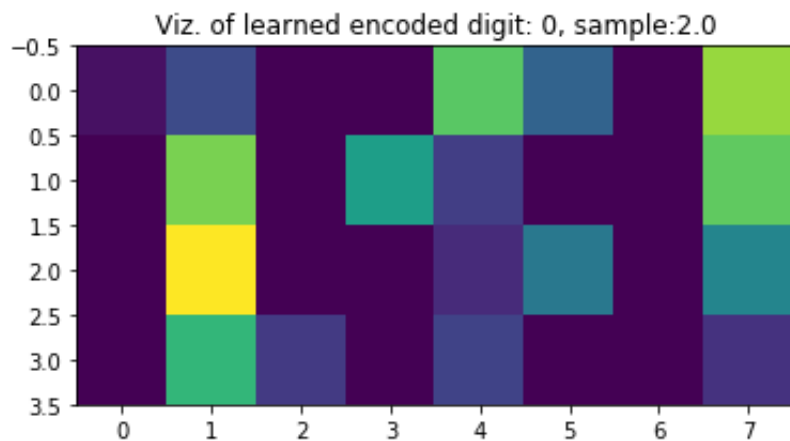
```

...: purity_list = []
...: for e in range(n_epochs):
...:     ART_model = train_fuzzy_ART(ART_model, encoded_train_data,
shuffle_data=False)
...:     #accuracy, __, __ = test(ART_model)
...:     purity = Purity(ART_model)
...:
...:     #print("Test accuracy at epoch {}: {}".format(e+1, accuracy))
...:     print("Purity at epoch {}: {}".format(e+1, purity))
...:     #acc_list.append(accuracy)
...:     purity_list.append(purity)

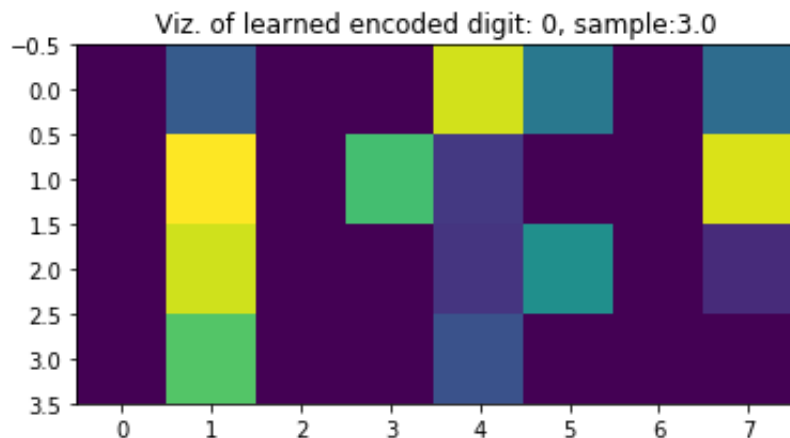
```



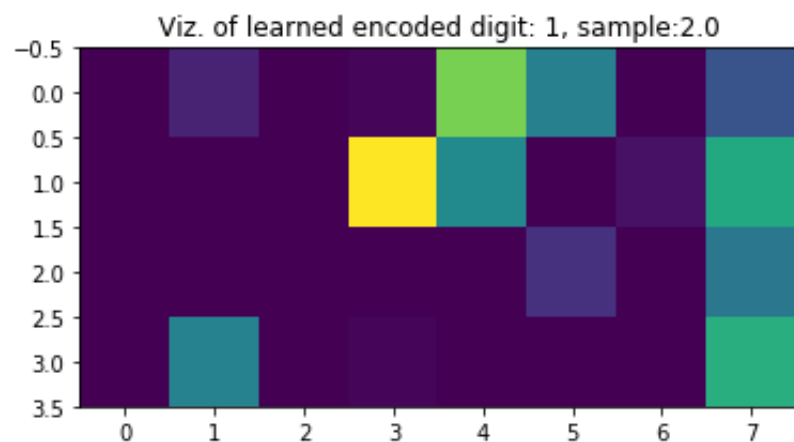
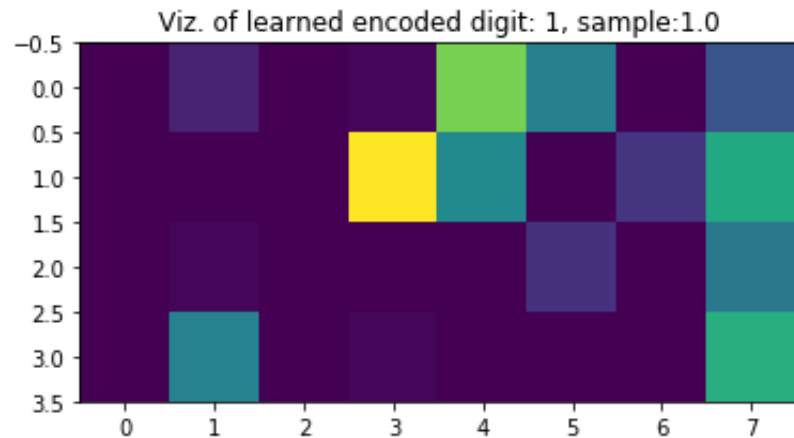
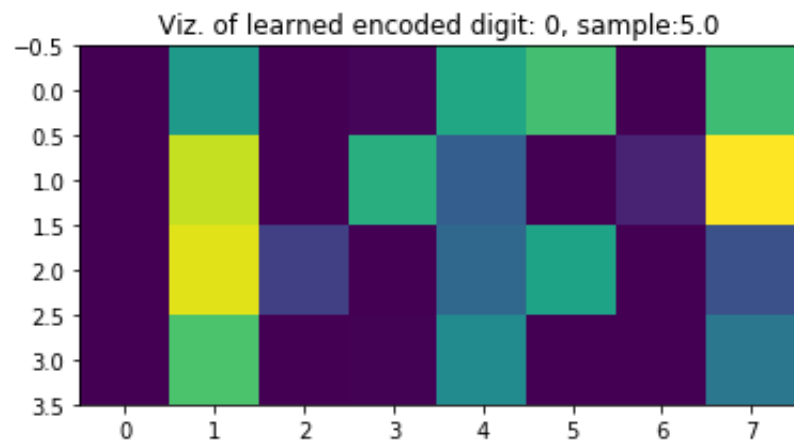
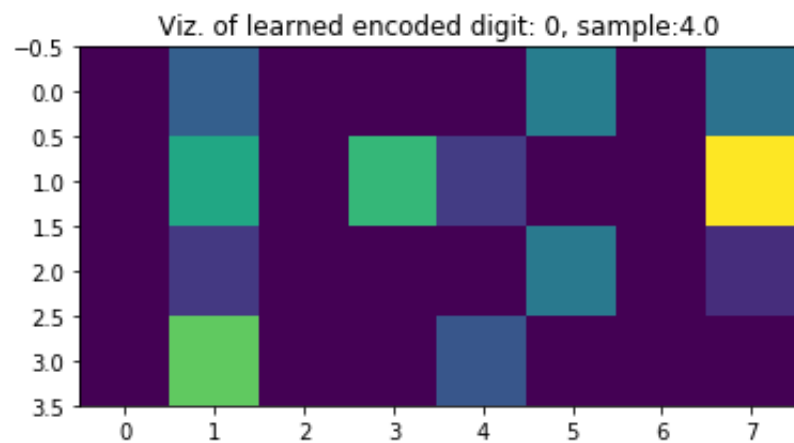
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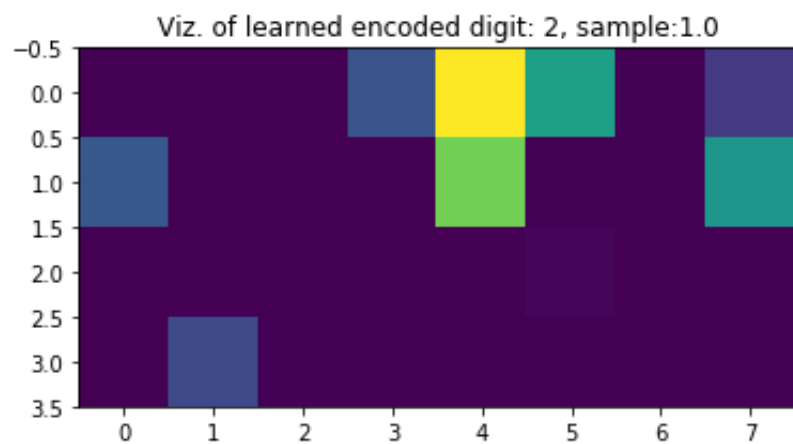
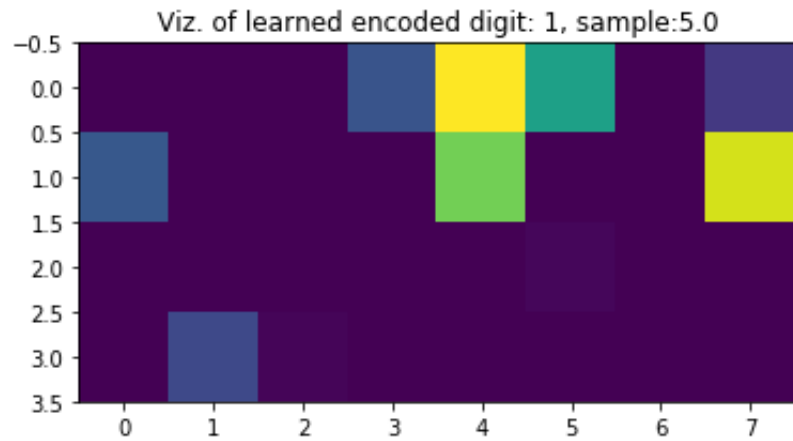
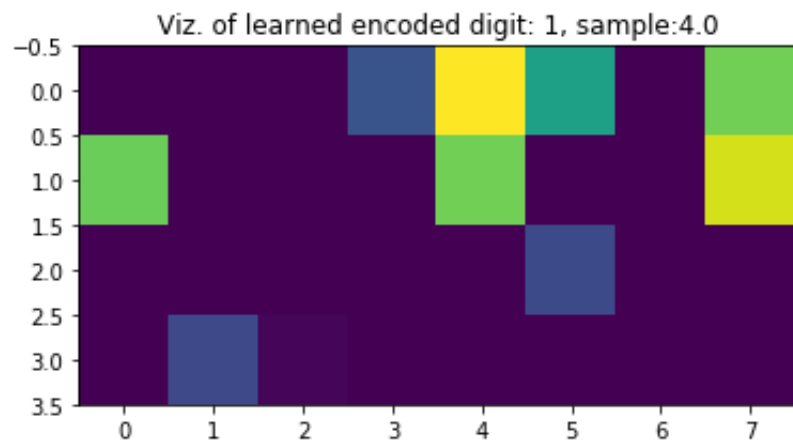
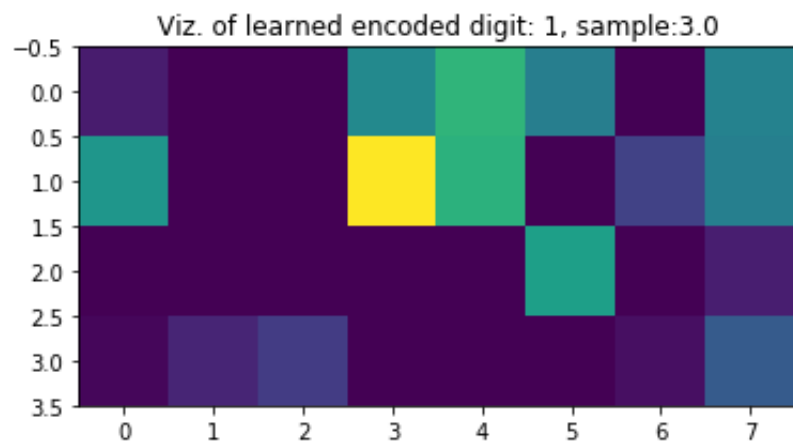


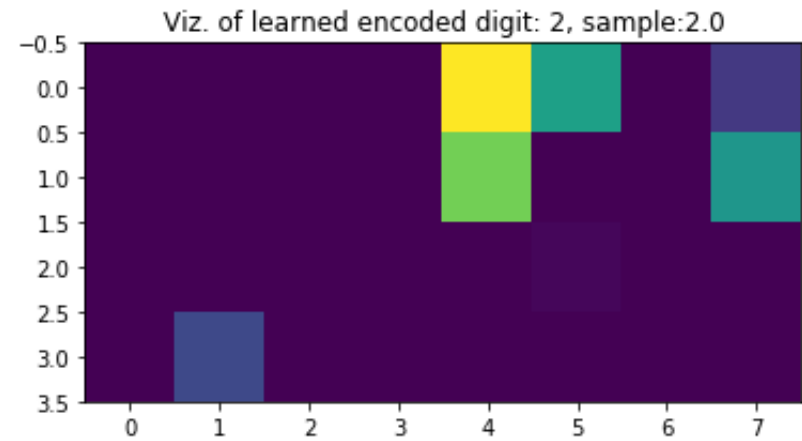
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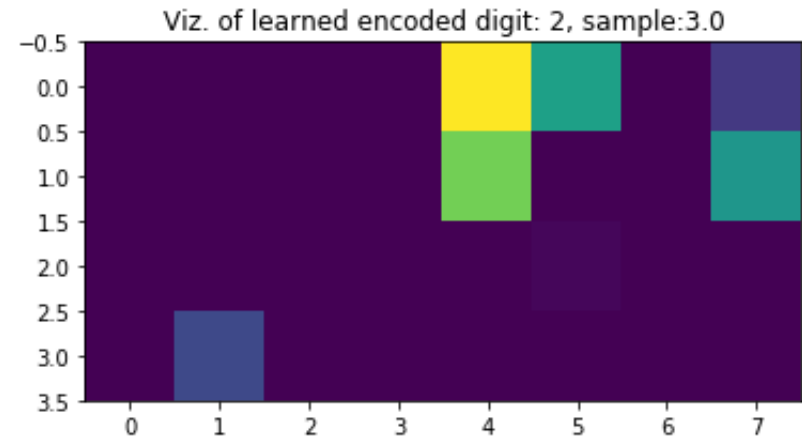
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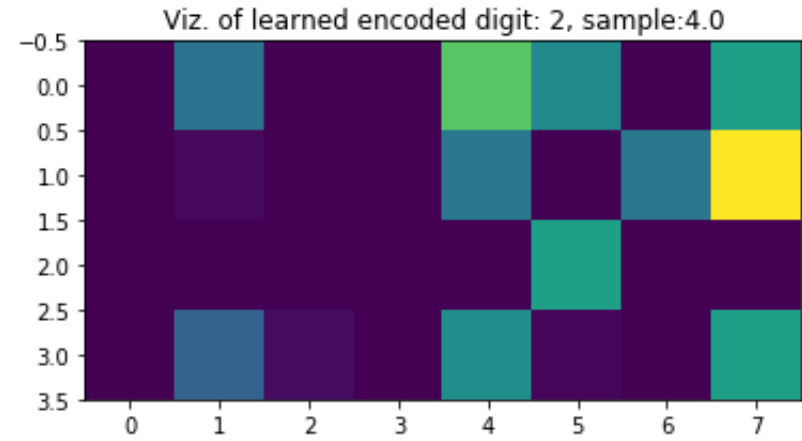




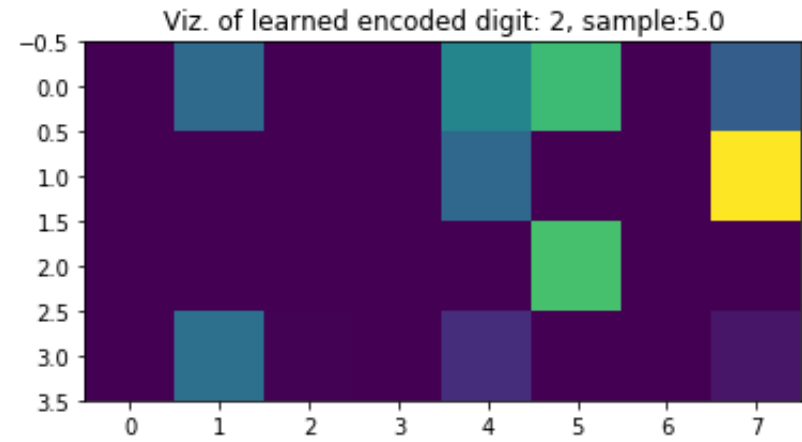
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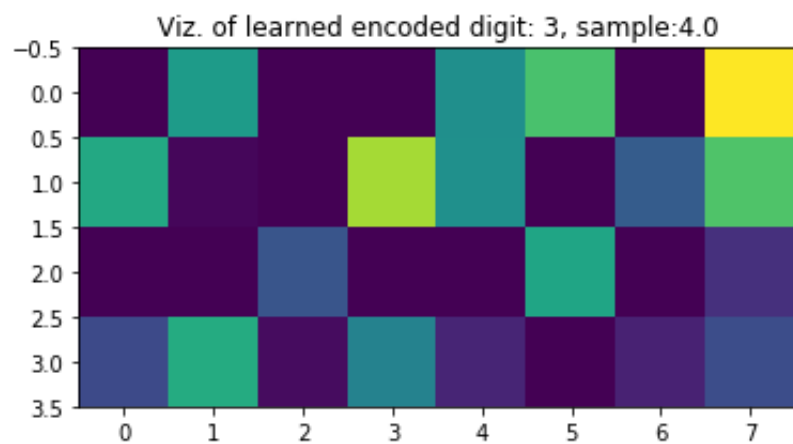
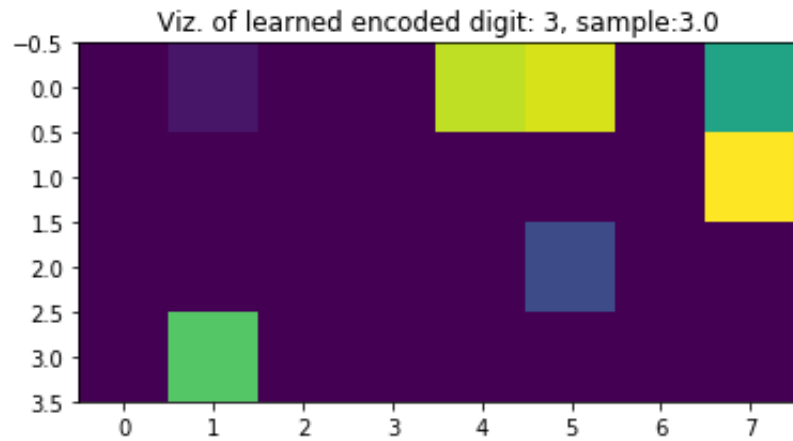
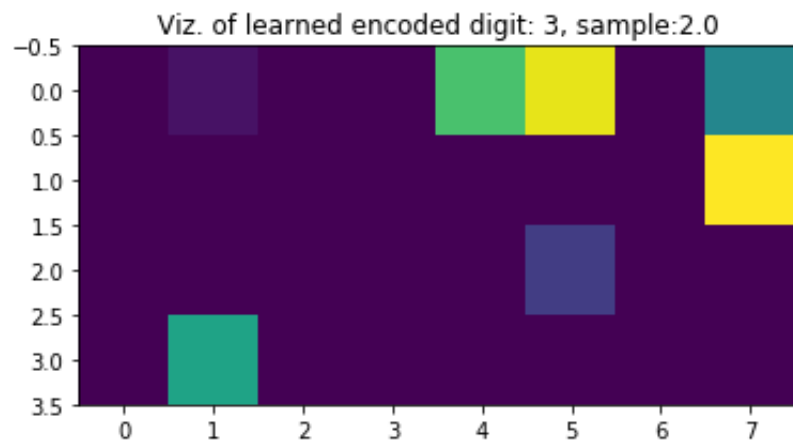
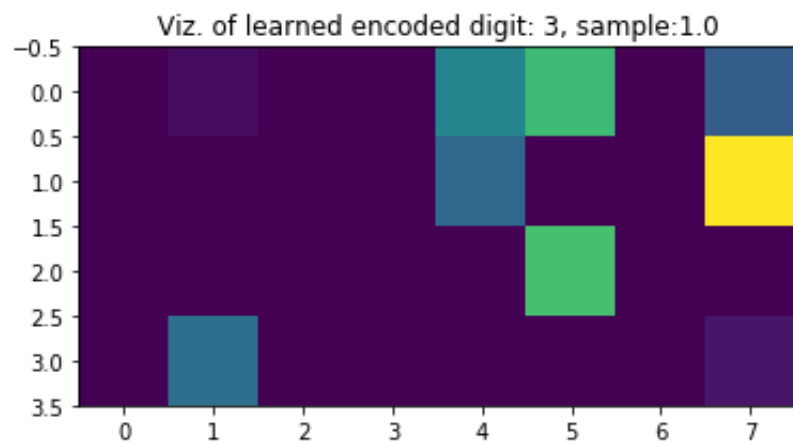
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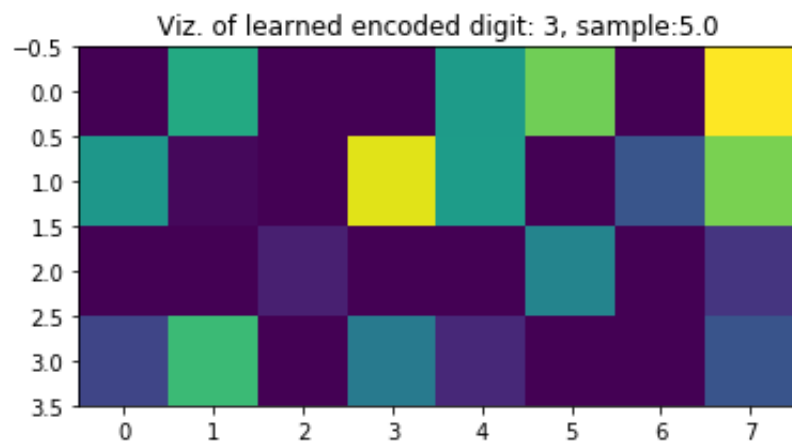


CLASS: 3

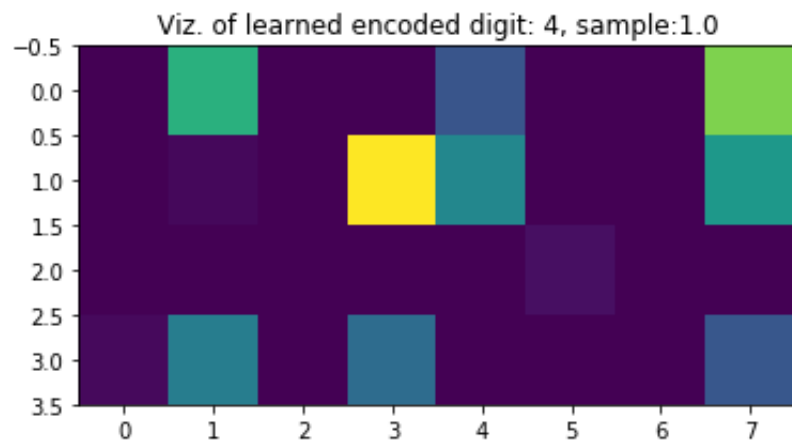


CLASS: 3

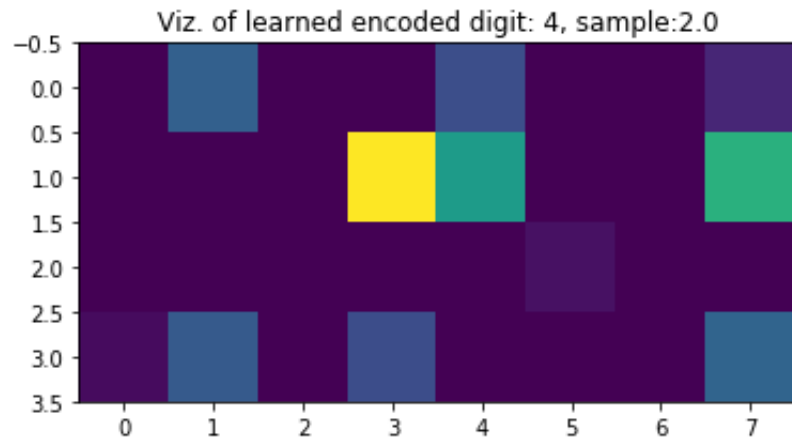




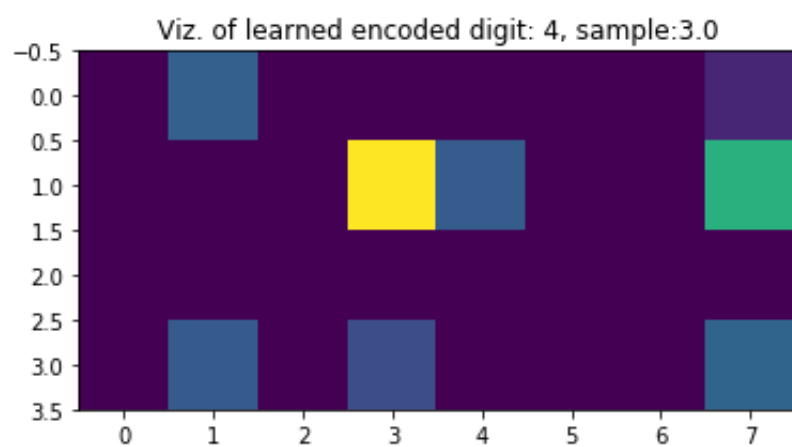
CLASS: 4



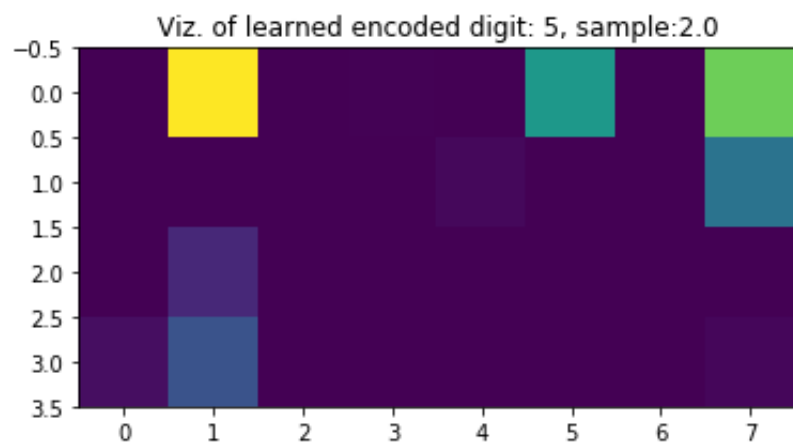
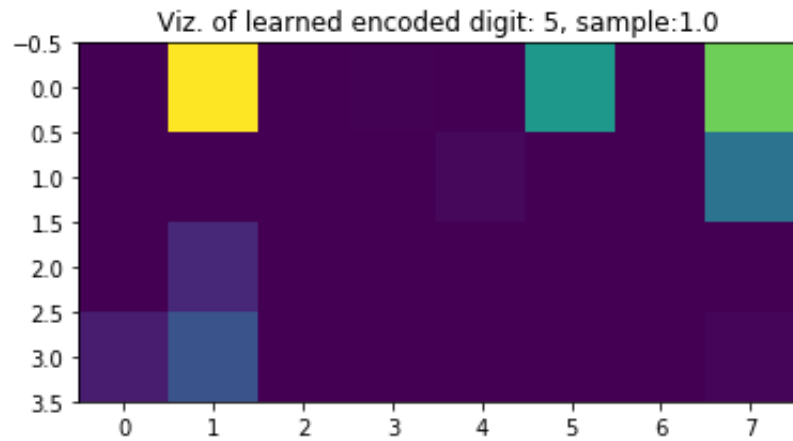
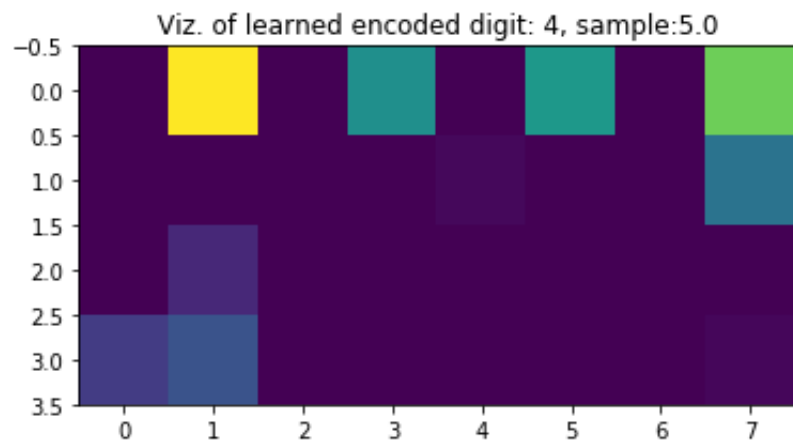
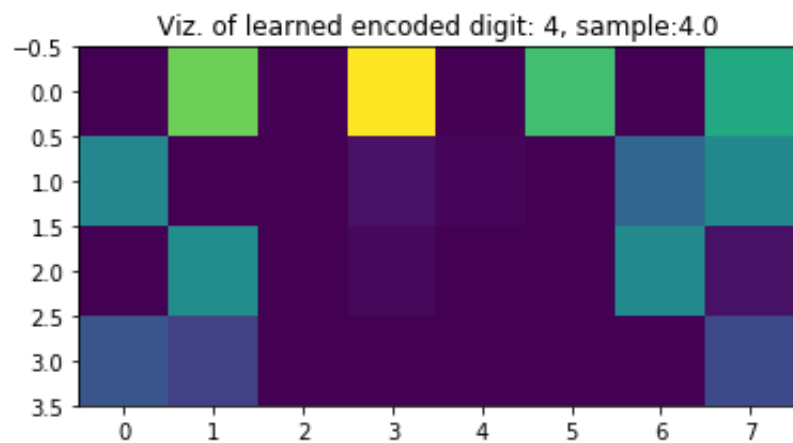
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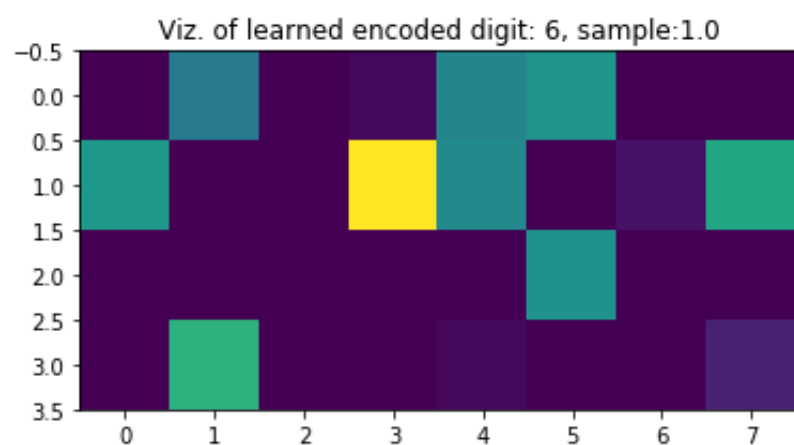
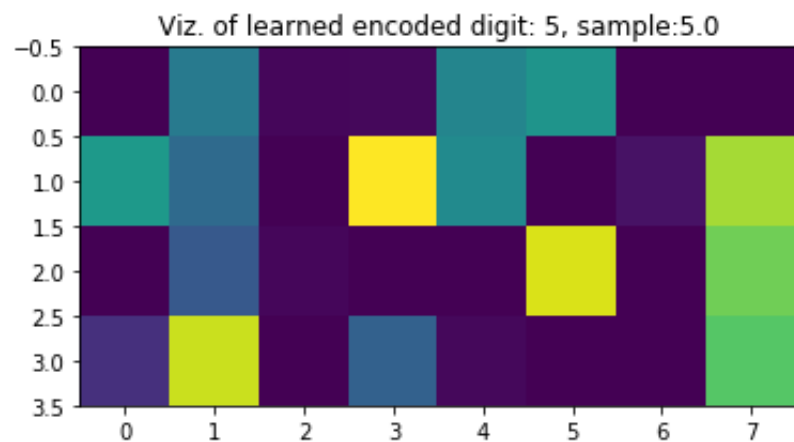
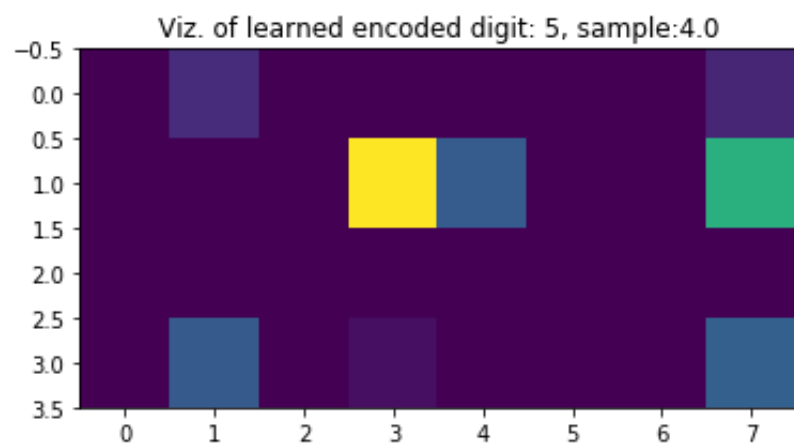
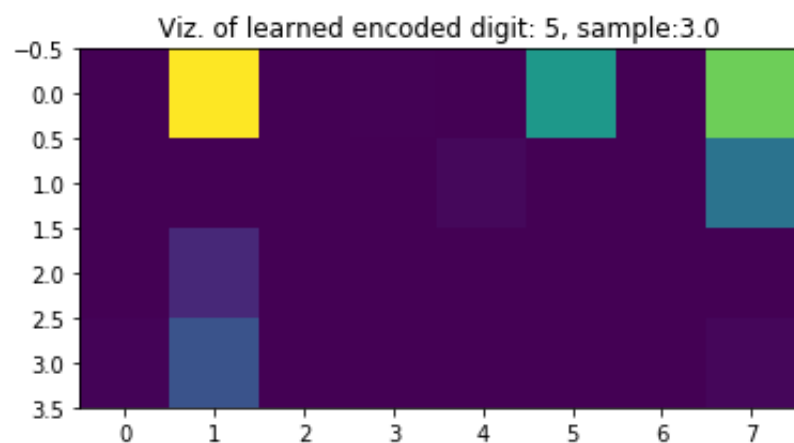


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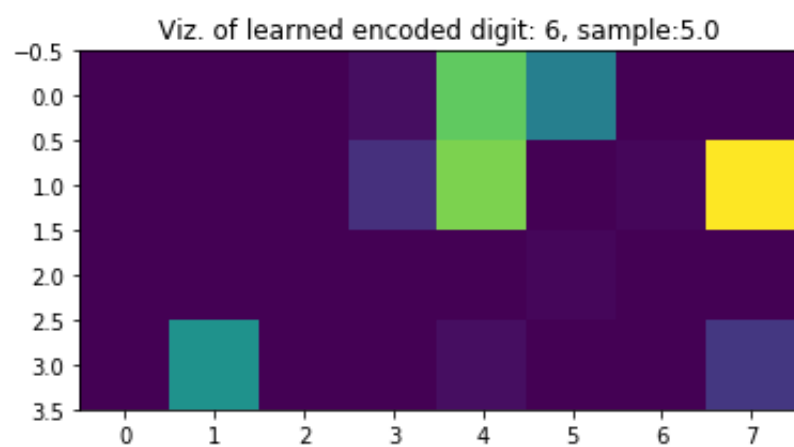
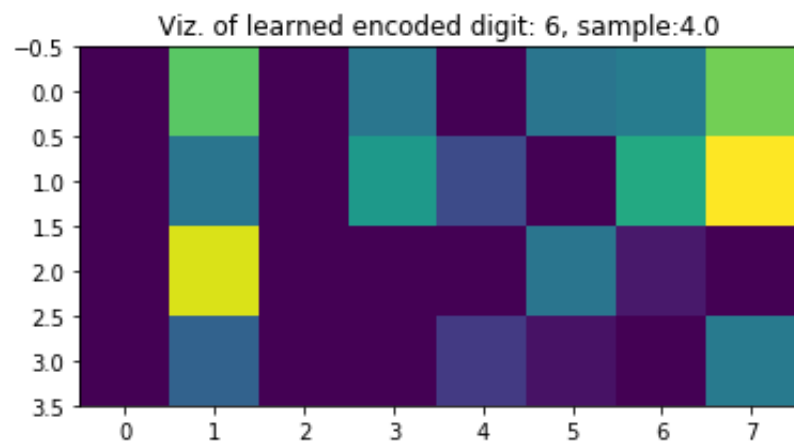
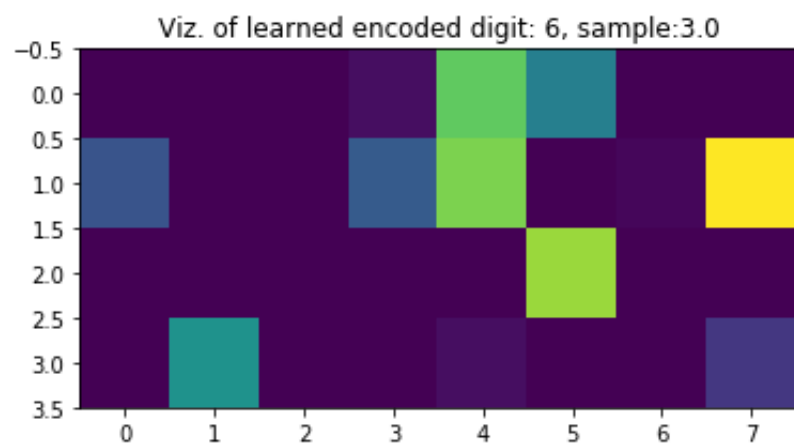
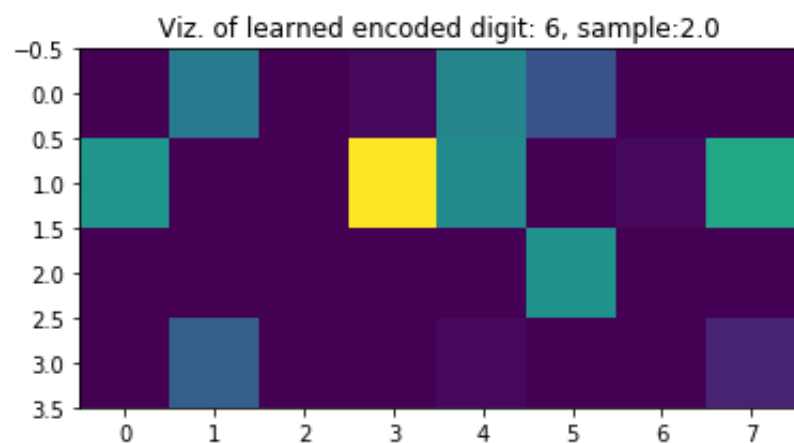


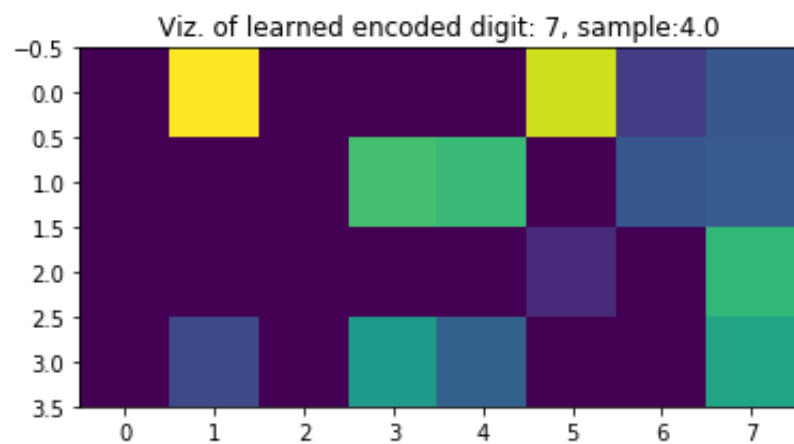
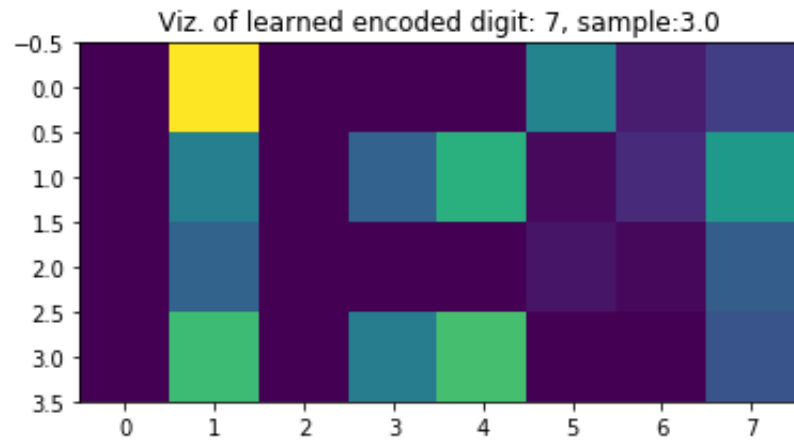
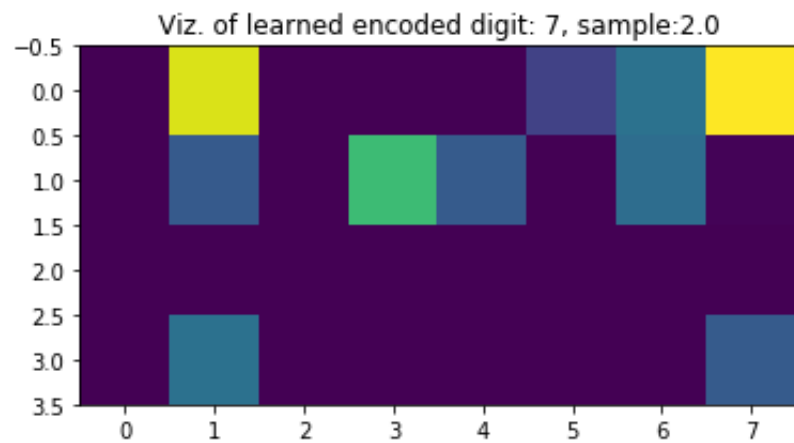
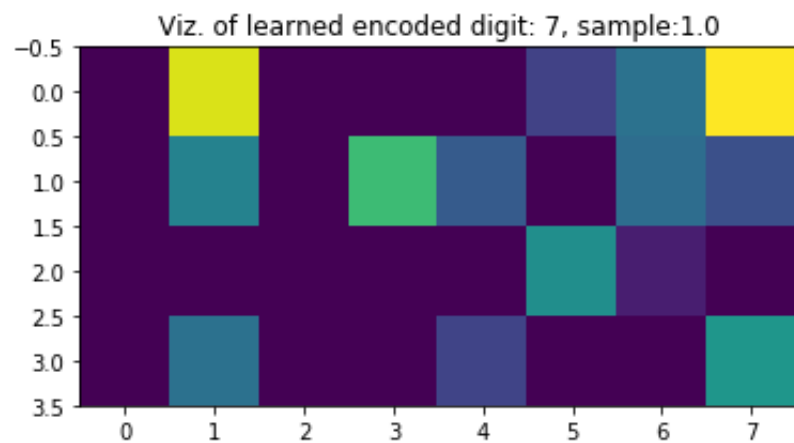
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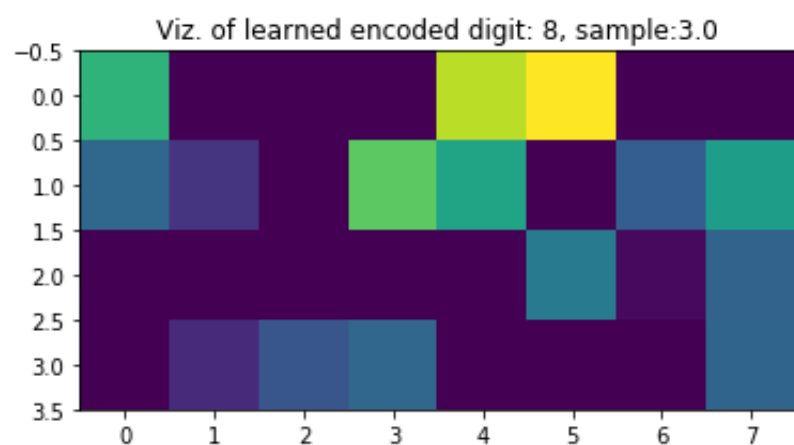
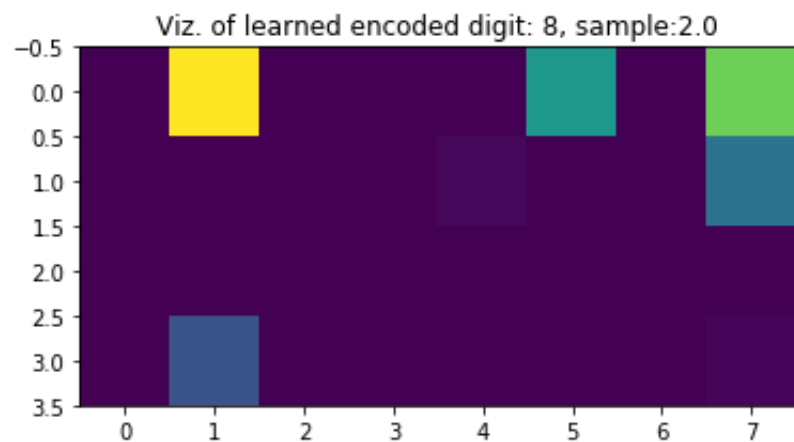
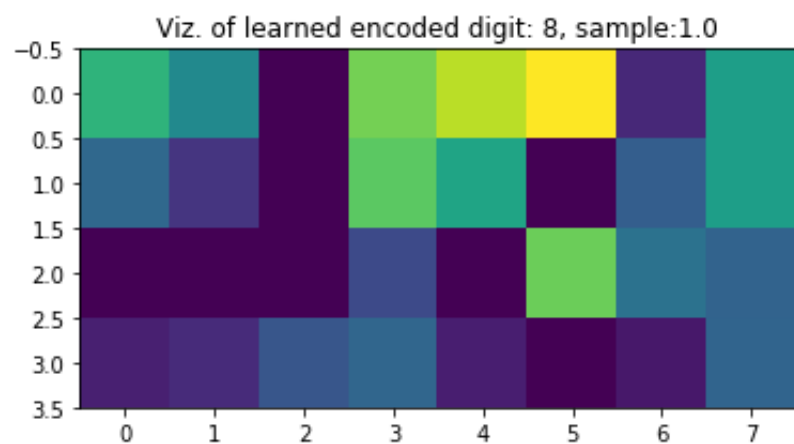
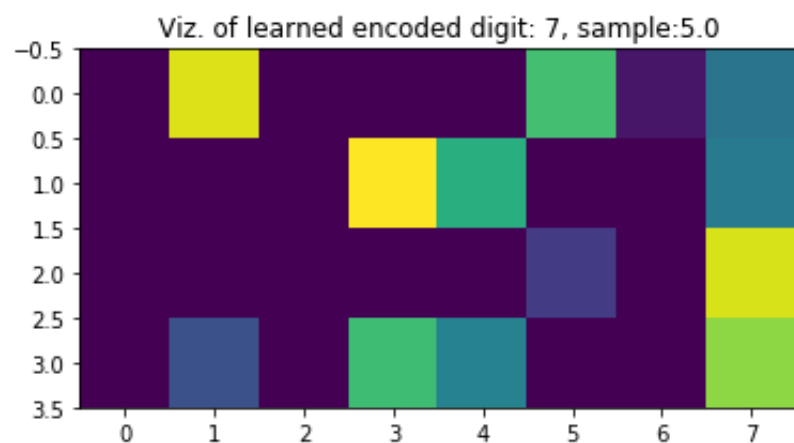


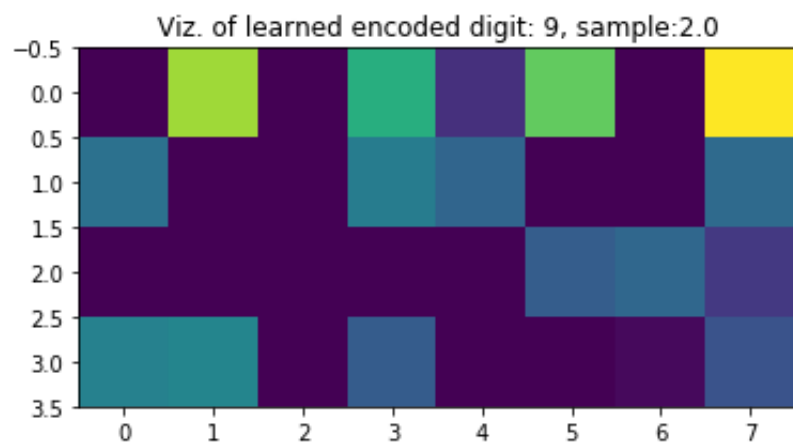
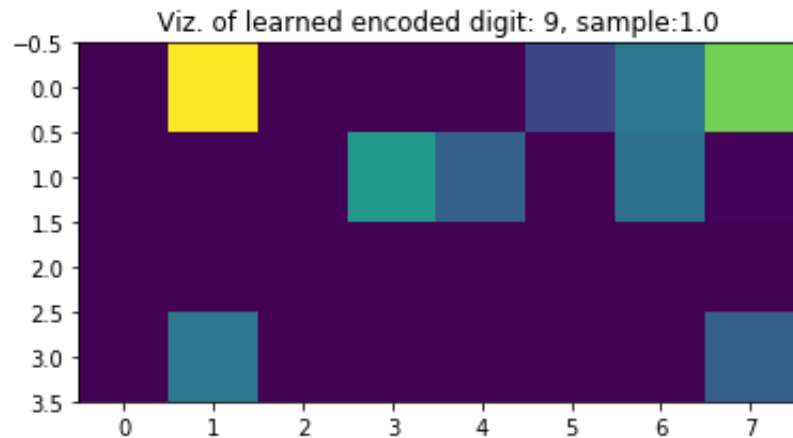
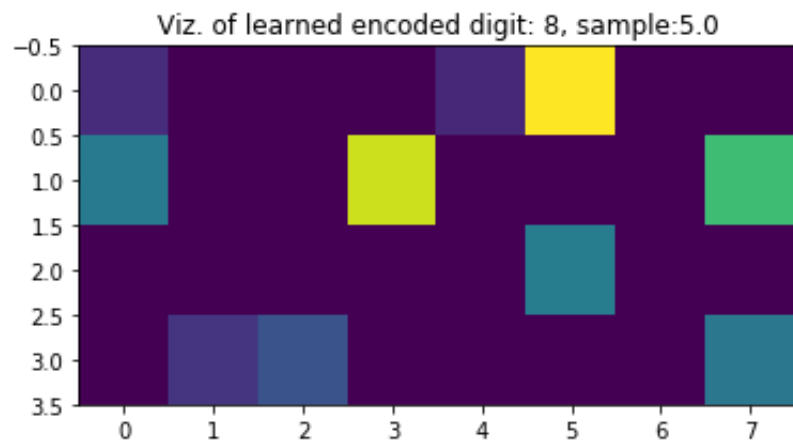
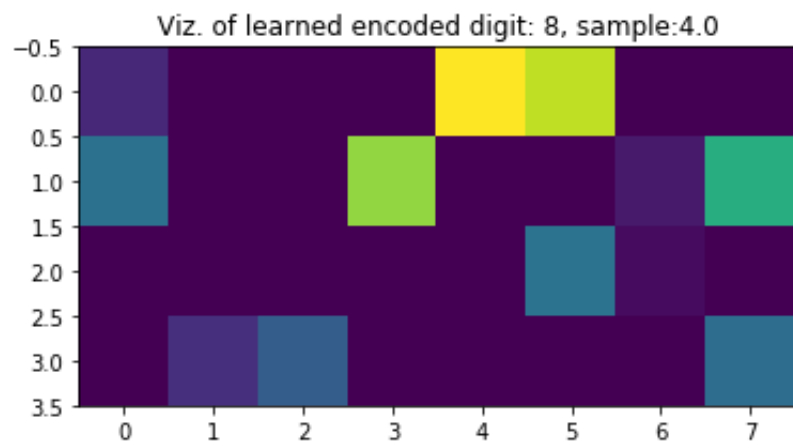


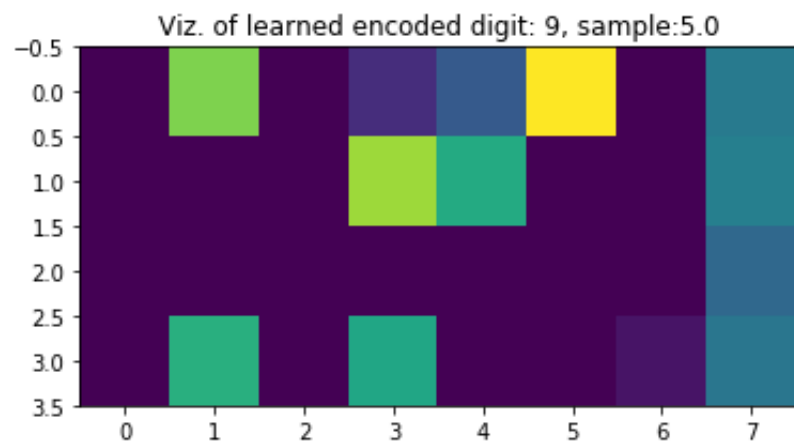
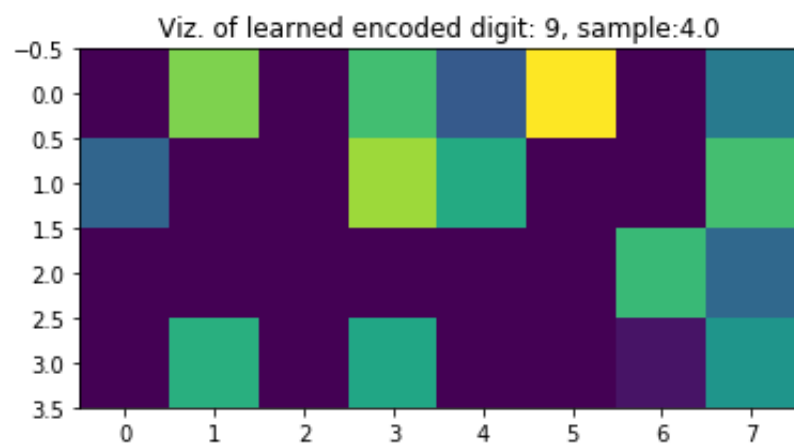
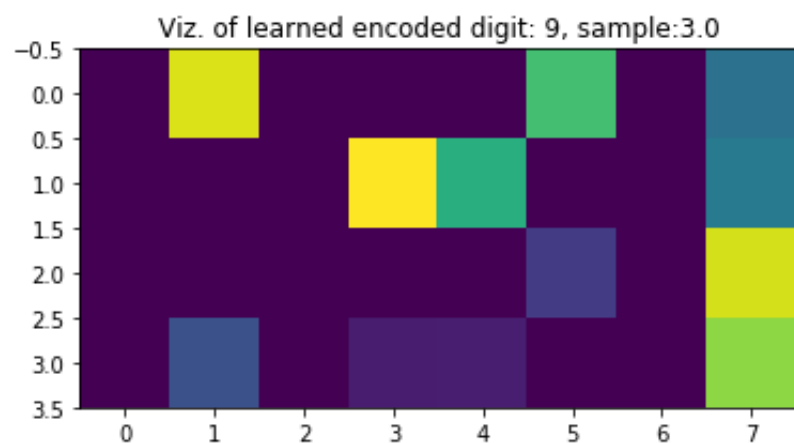












Purity at epoch 1: 50.52896925527015

In [5]: