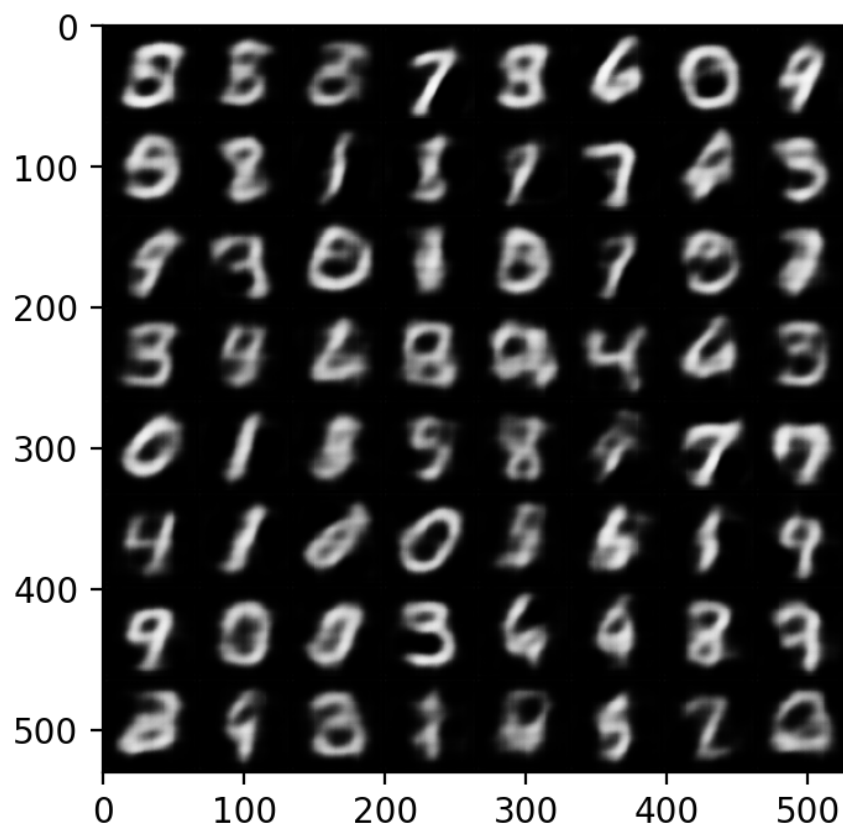


VAE

1 epoch 3e-4

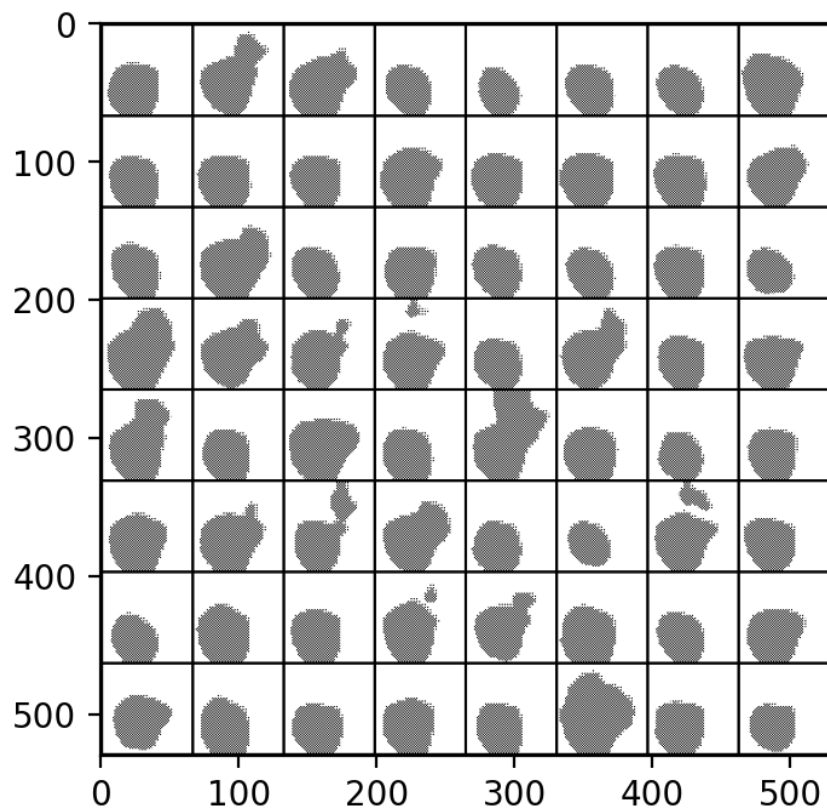
MNISTrec_epoch.png



GAN images

1 epoch

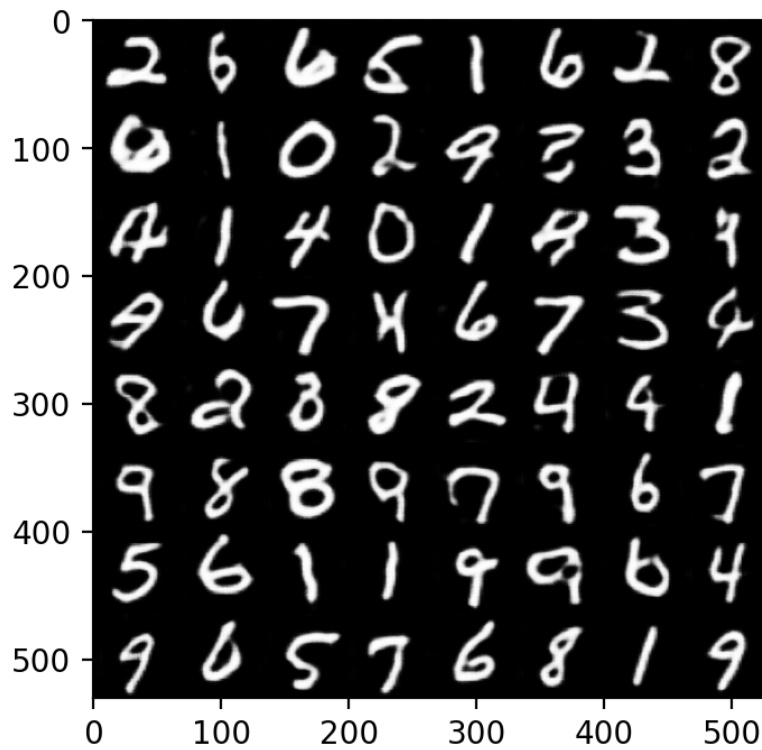
MNISTrec_epoch.png



VAEGAN images

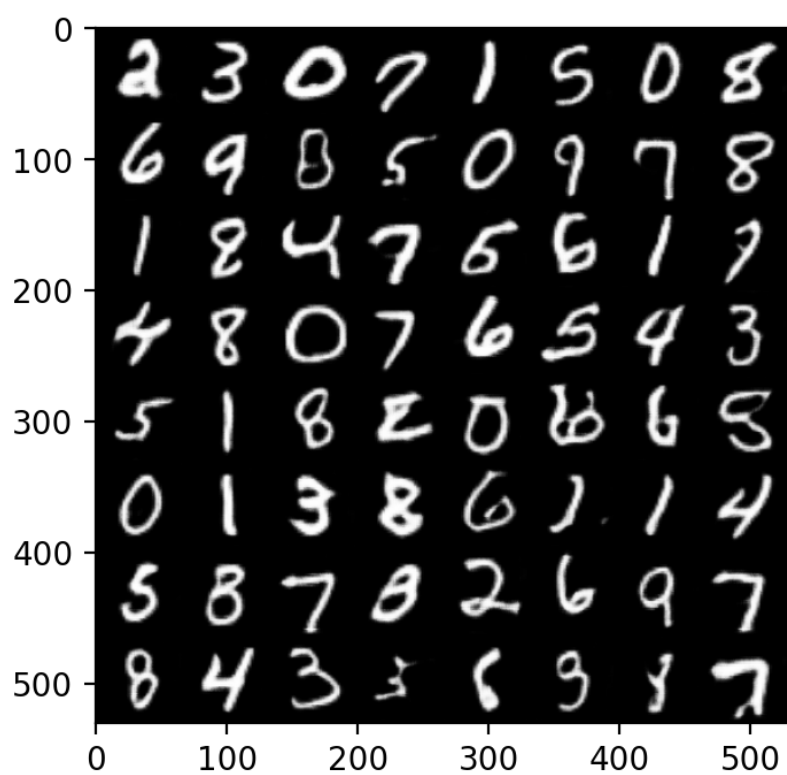
1 epoch

MNISTrec_epoch.png



2 epoch

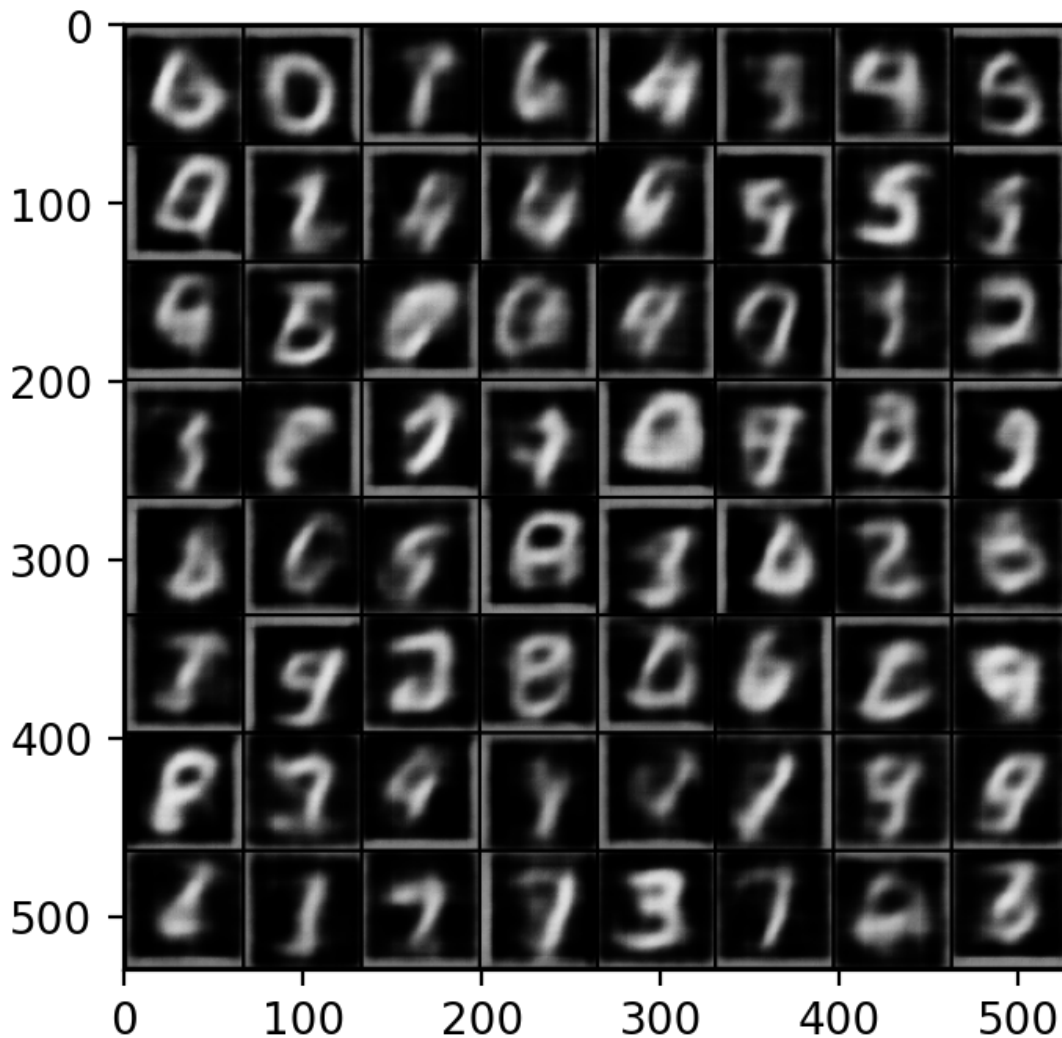
MNISTrec_epoch.png



Experiment:

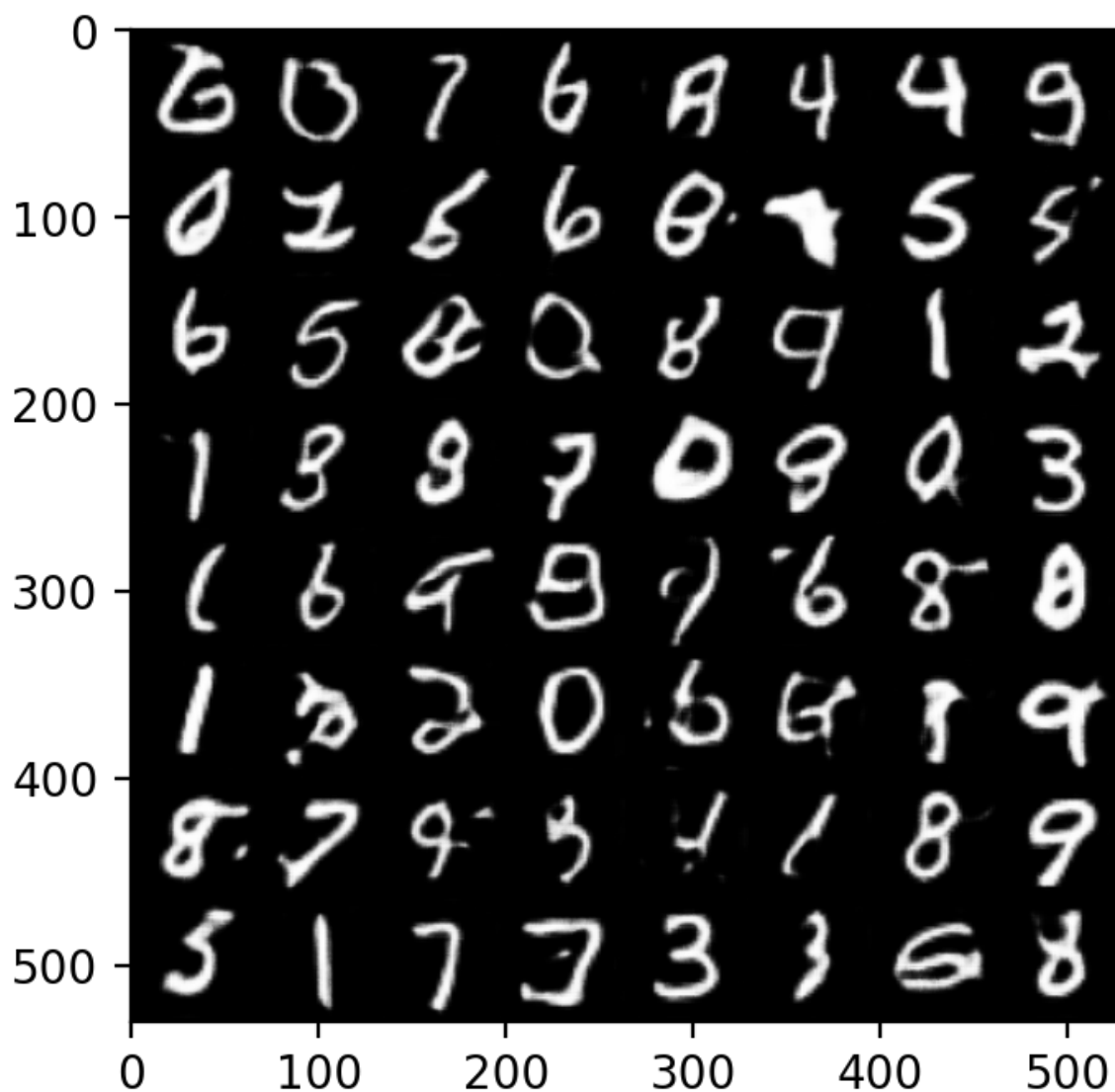
Trained using VAE_model (non translated) and tested with translated

MNIST_VAE_translated.png



Trained using (gen_epoch2 vae gan model w 2 epochs) trained using not translated images, and tested using translated images

MNIST_VAE_GAN_translated.png

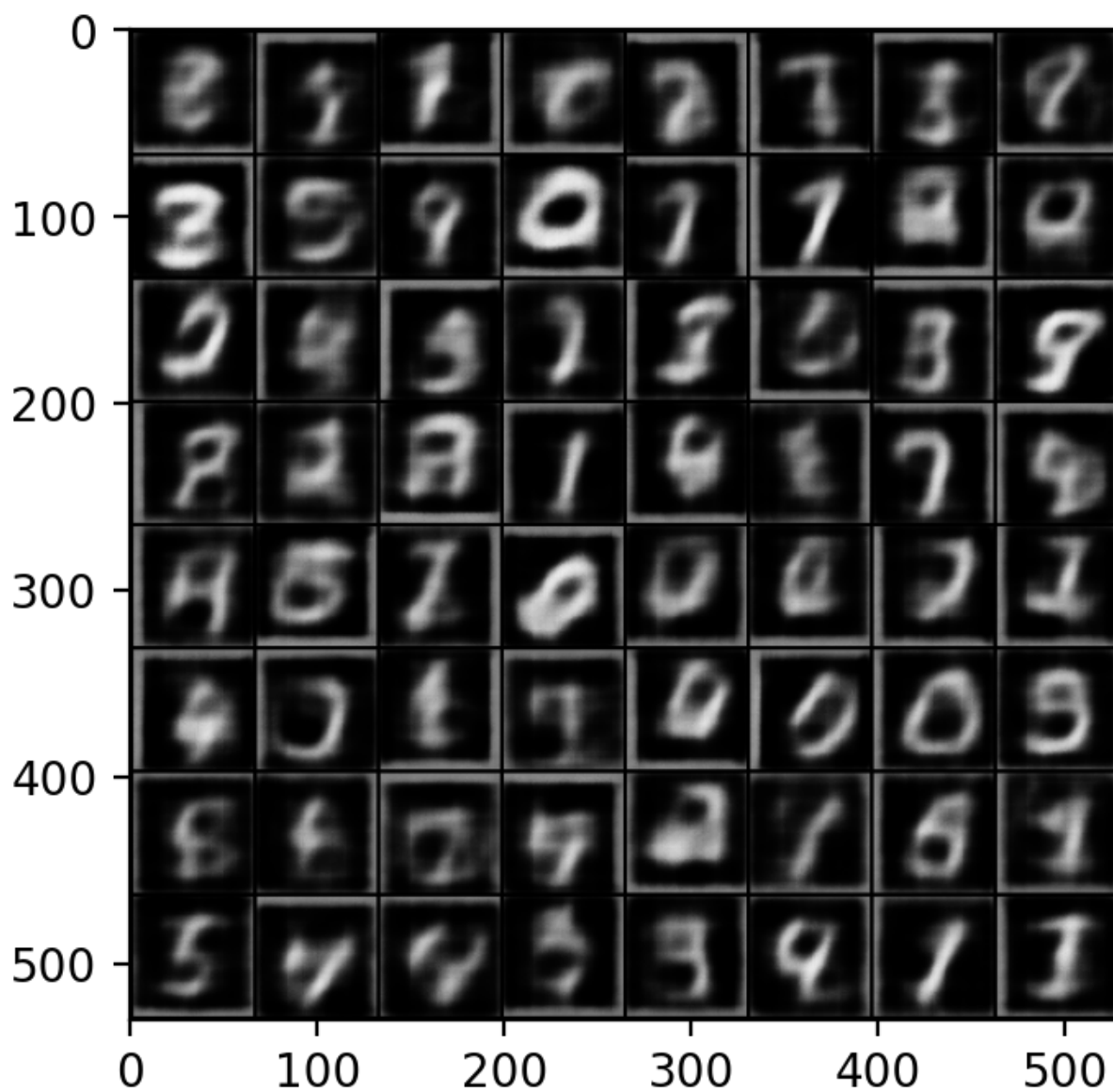


Trained translated VAE GAN tested with translated images



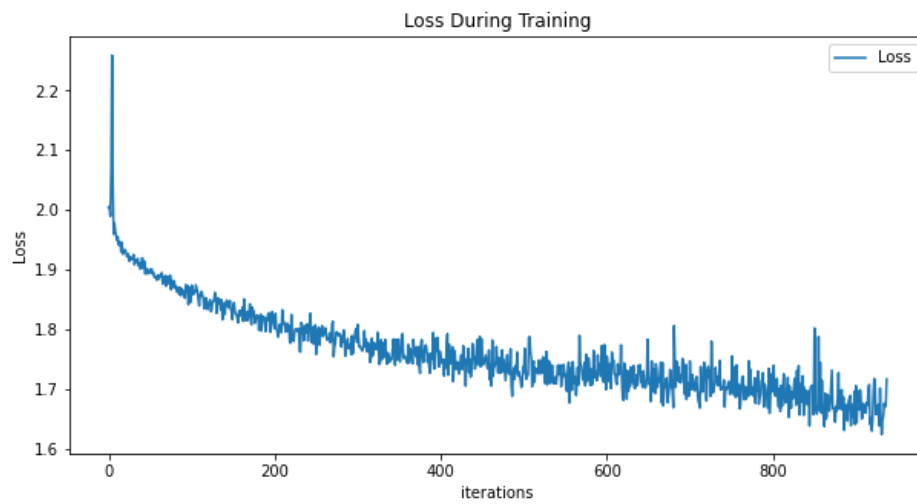
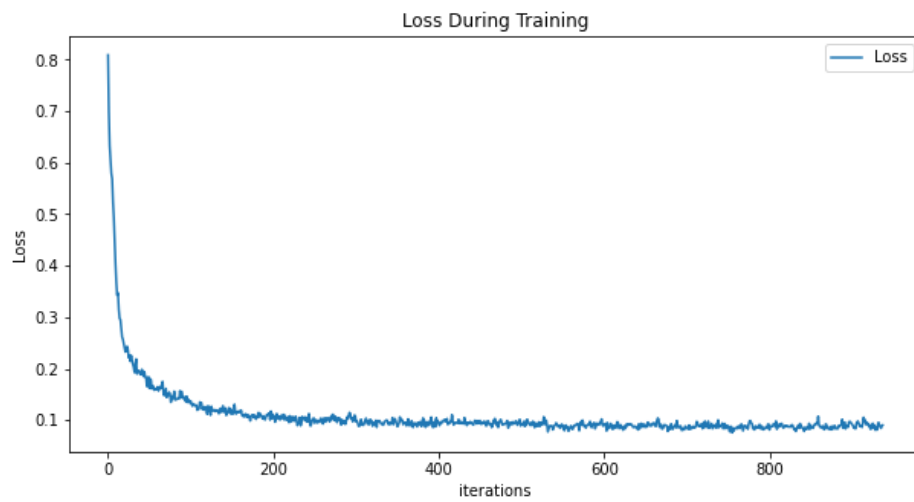
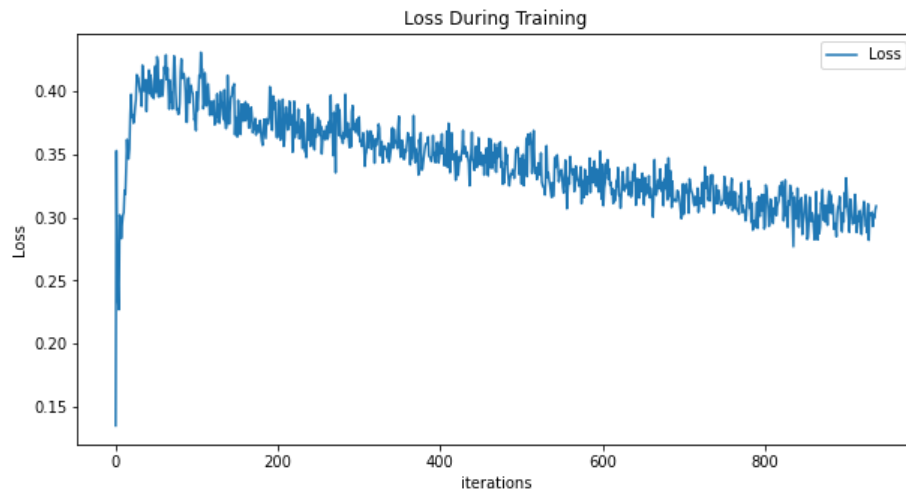
Translated VAE model tested with translated image

MNIST_VAE_translated.png

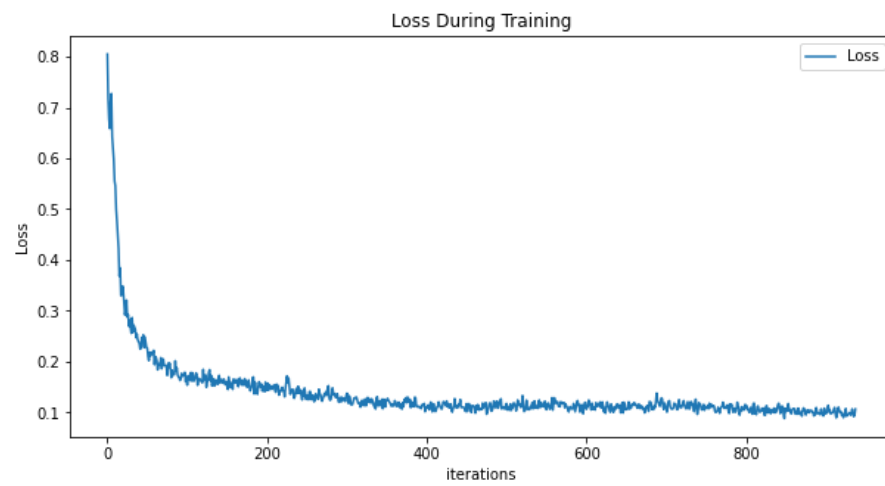
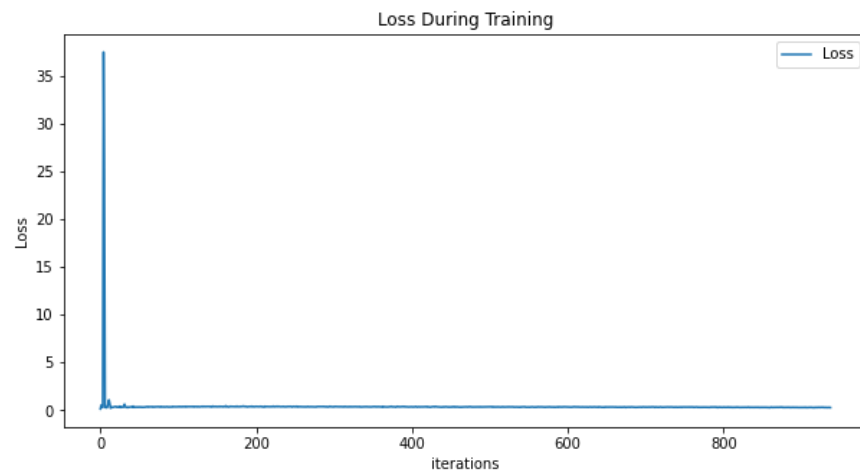


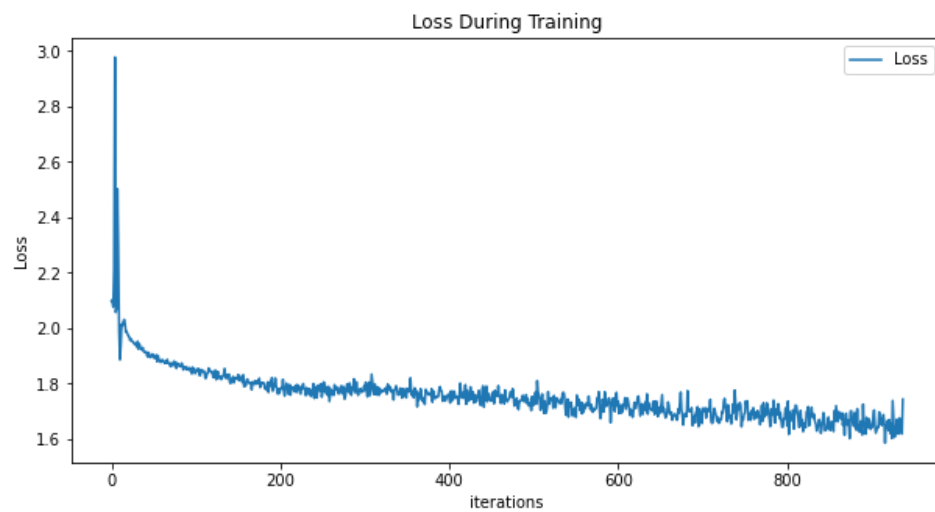
Gan loss prior loss and discriminator loss

VAEGAN $\text{lr} = 0.0003$



VAEGAN $\text{lr}=0.0006$





VAEGAN $lr=0.00015$

