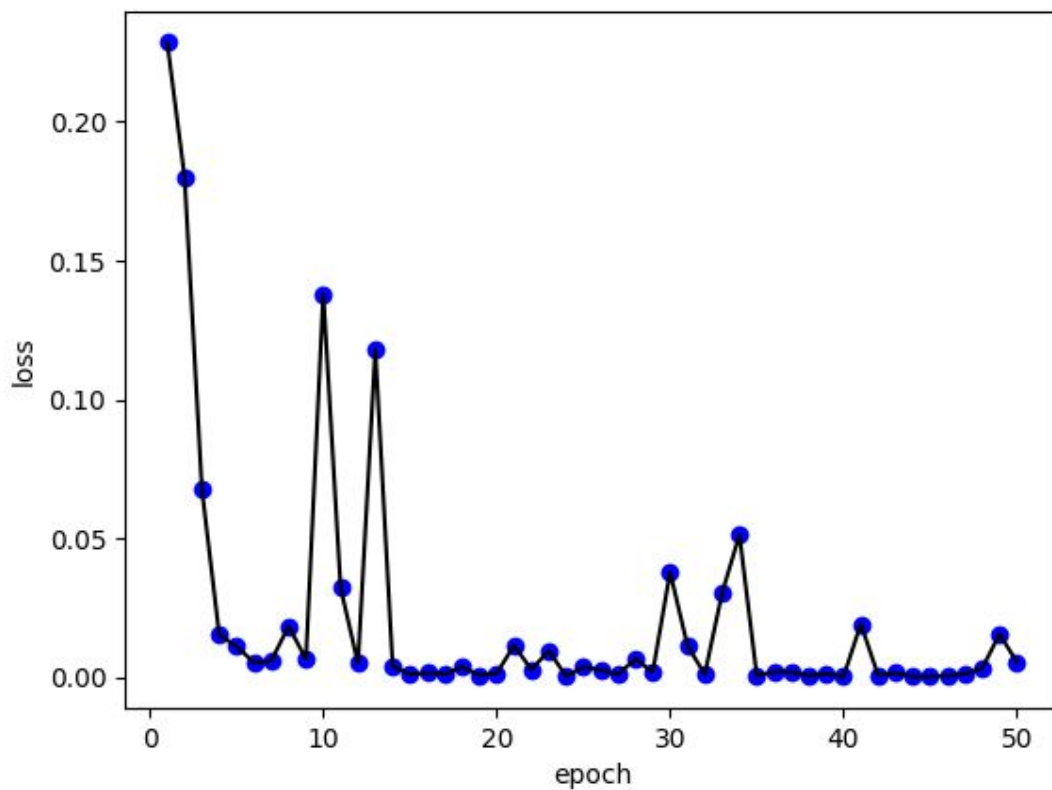


Various tasks of autoencoder

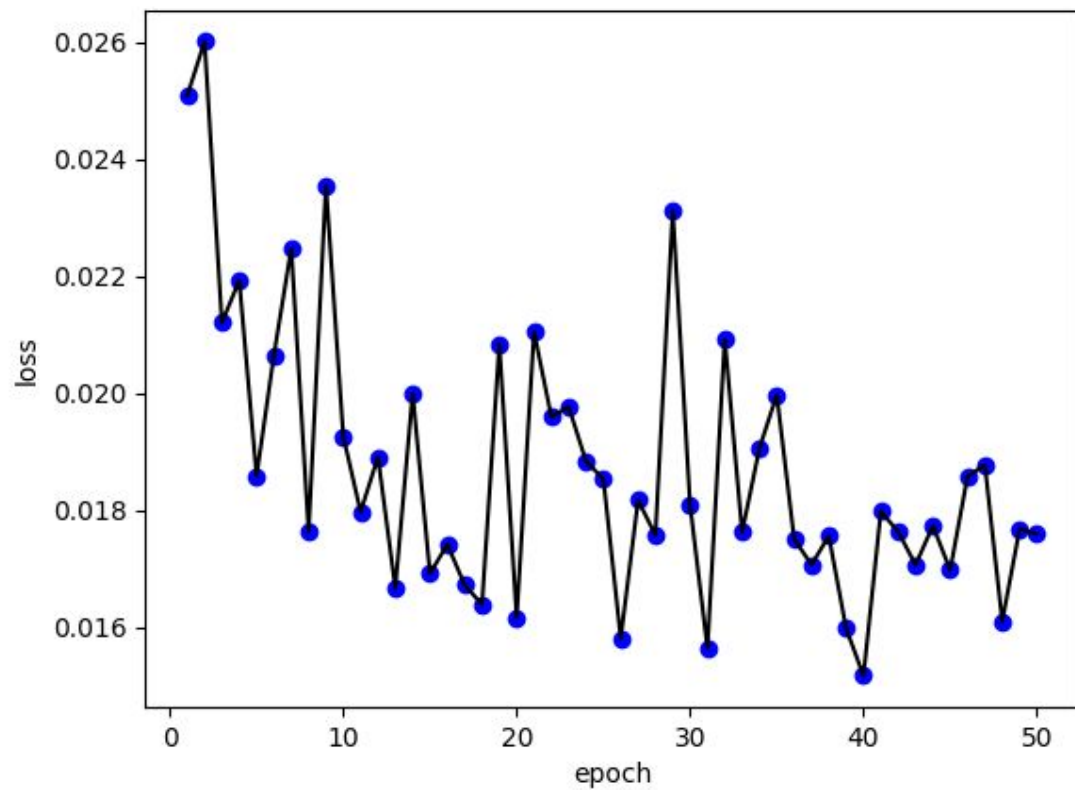
Task 1: Classification after training autoencoder and replacing decoder by classifier.

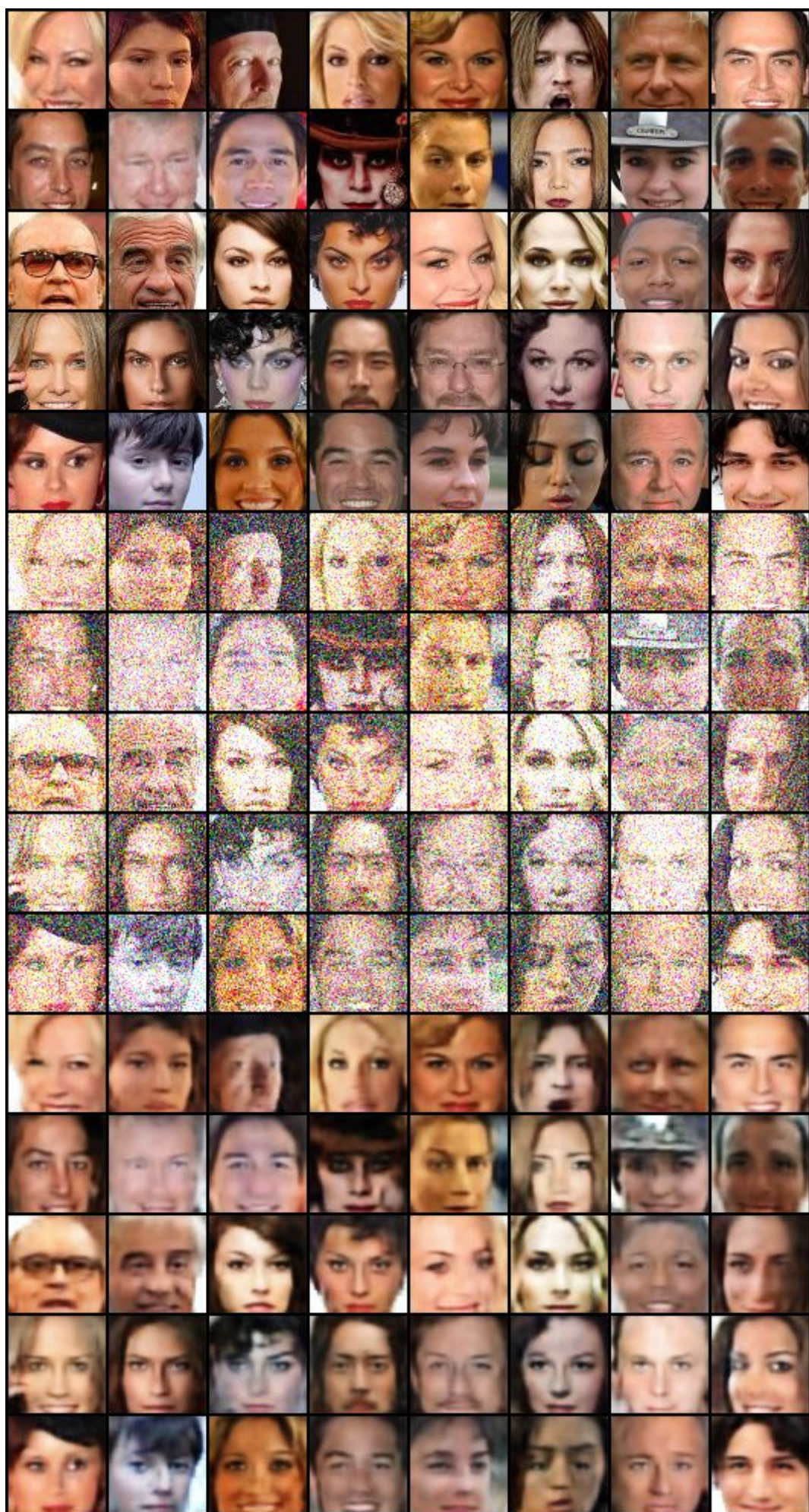


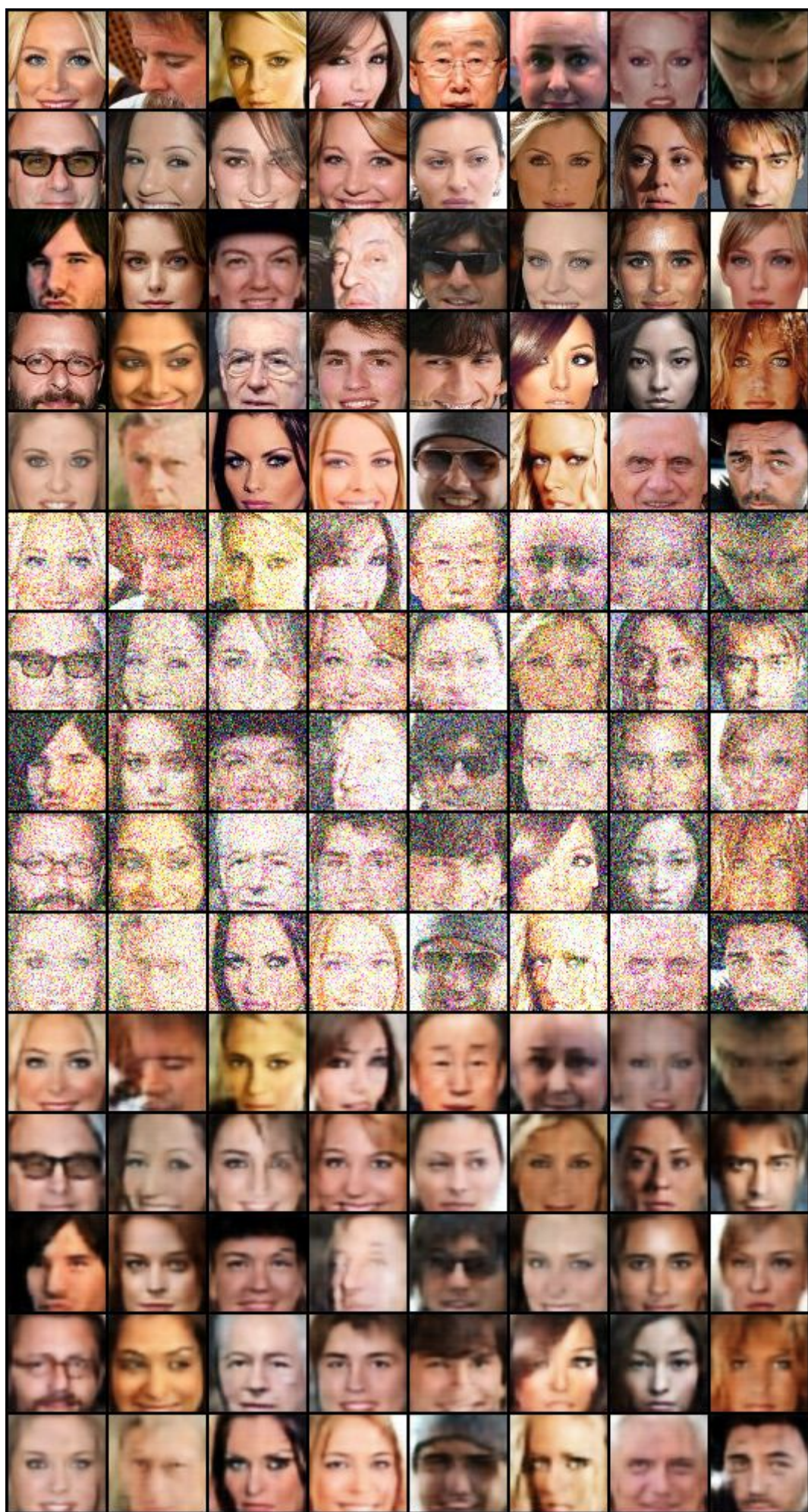
Task 2: Conversion of low quality images to high quality images

Gaussian noise were added to convert original images to low quality noisy images with two noise tensor parameters

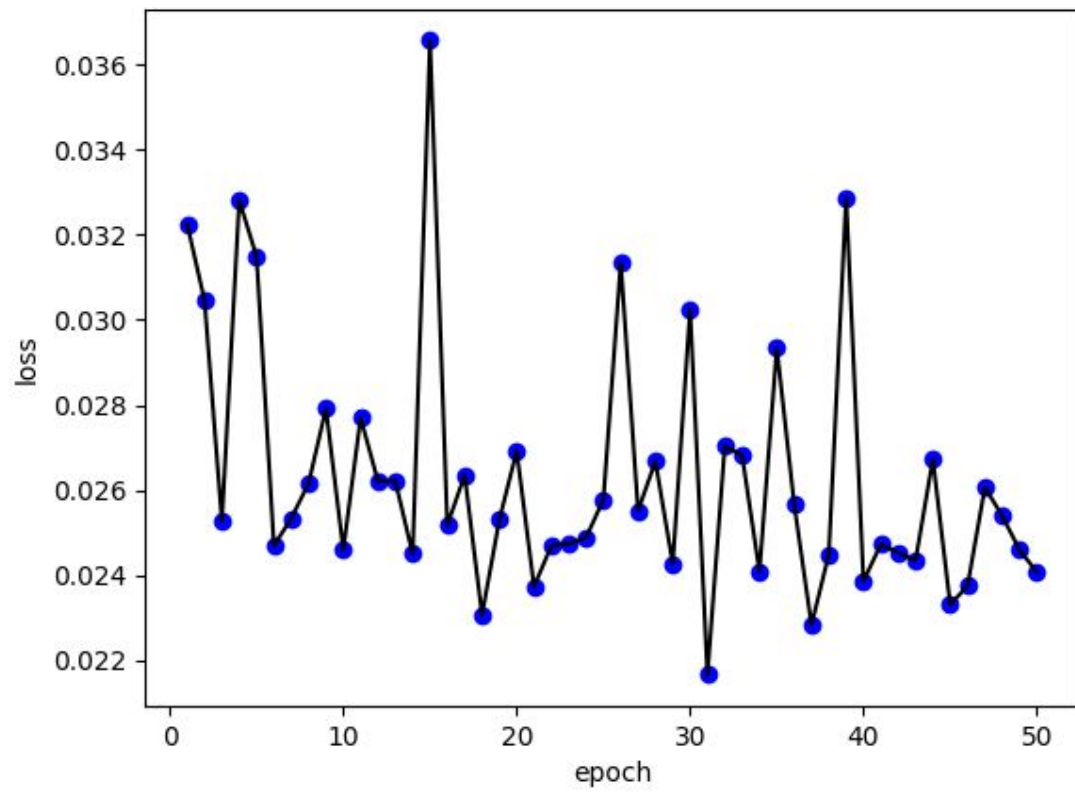
1. Add noise of mean = 0.5 and stddev = 0.5

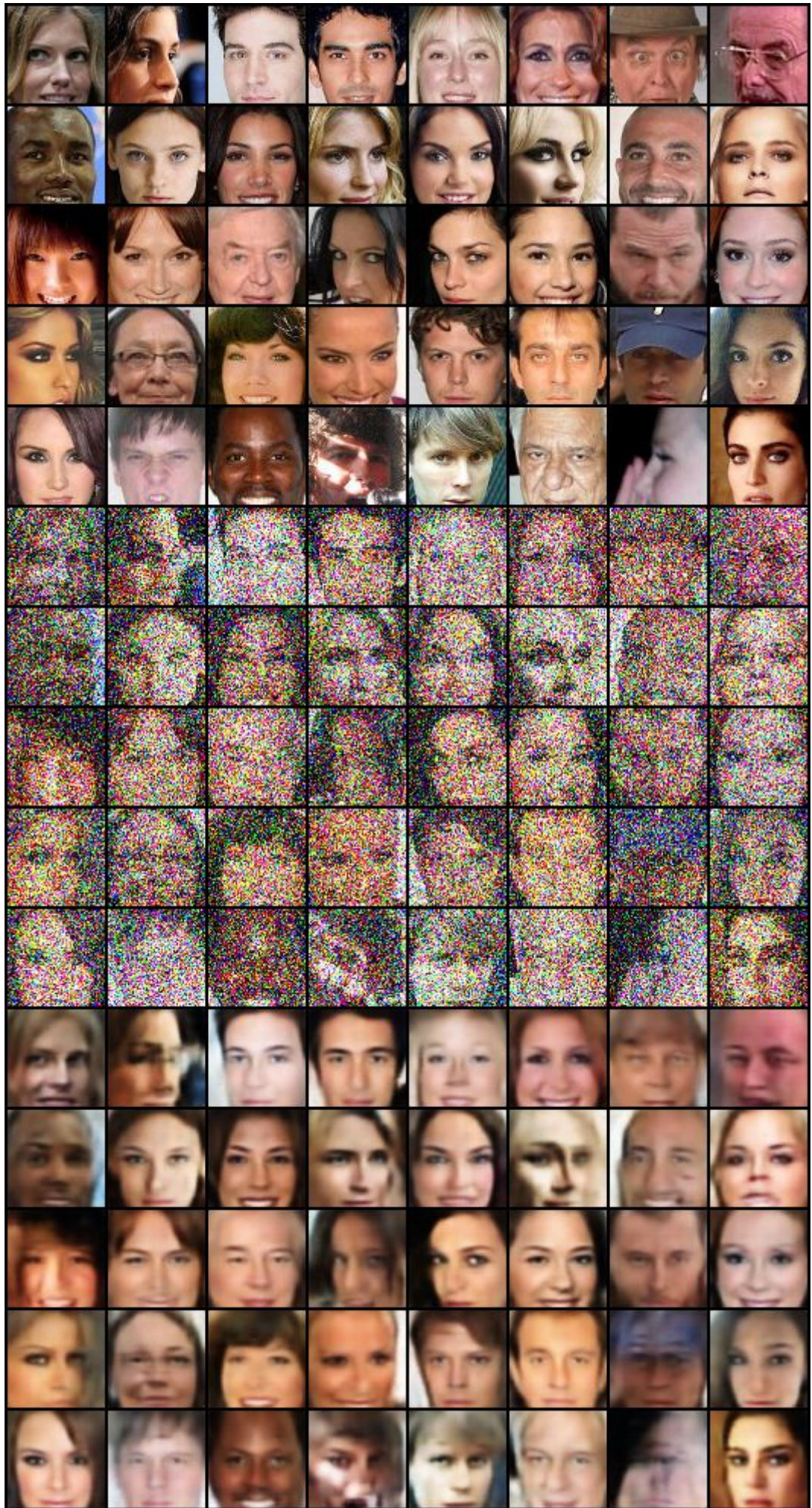


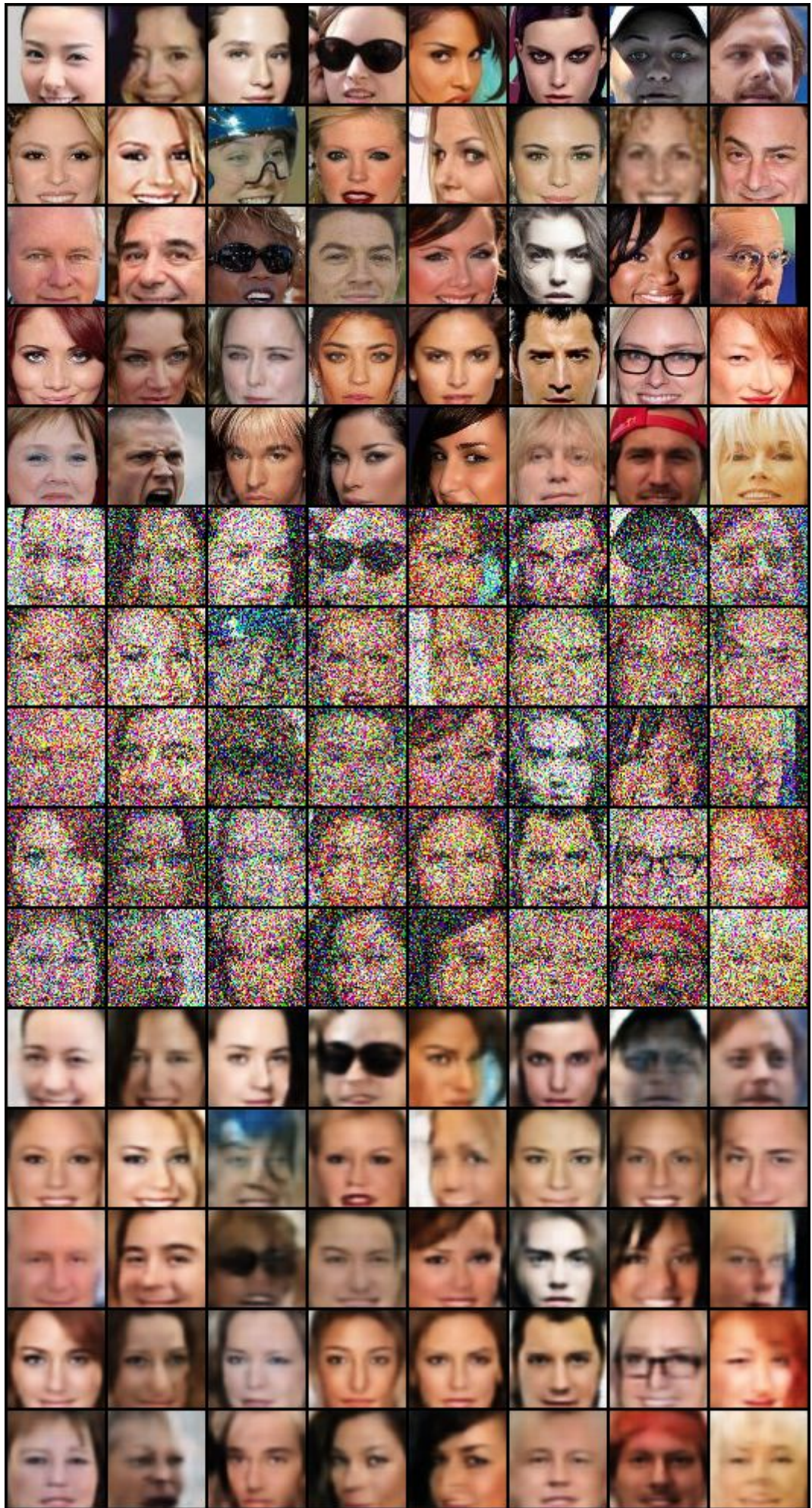




2. Add noise of mean = 0 and stddev = 1







Task 3: Inpaint some portion of input image and then train network to get image similar as original image.

Input image is of 64*64 , blacked portion is of 24*24 from the center.

