

## 2.

### Critic/Discriminator loss function

Critic Loss = [average critic score on real images] – [average critic score on fake images]

Implemented in train.py as

```
loss_critic = (  
    -(torch.mean(critic_real) - torch.mean(critic_fake)) + LAMBDA_GP * gp  
)
```

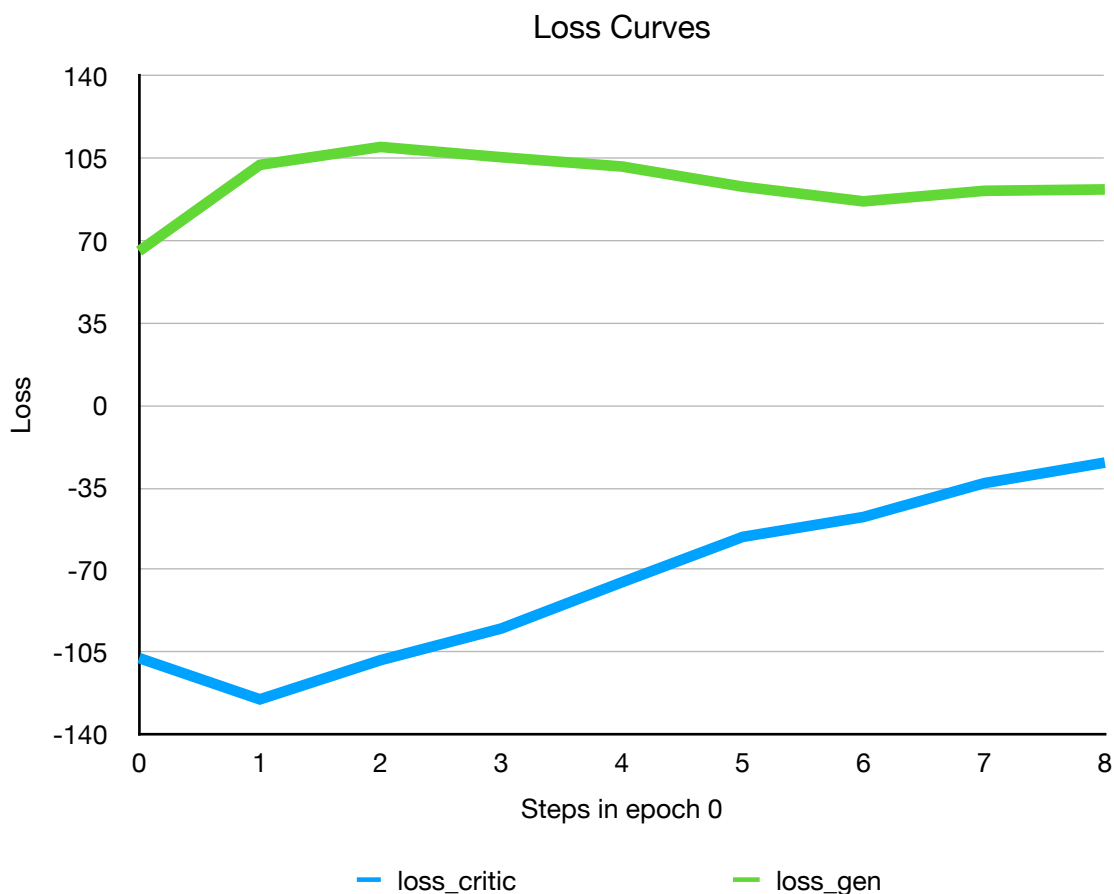
### Generator loss function

Generator Loss = -[average critic score on fake images]

Implemented in train.py as

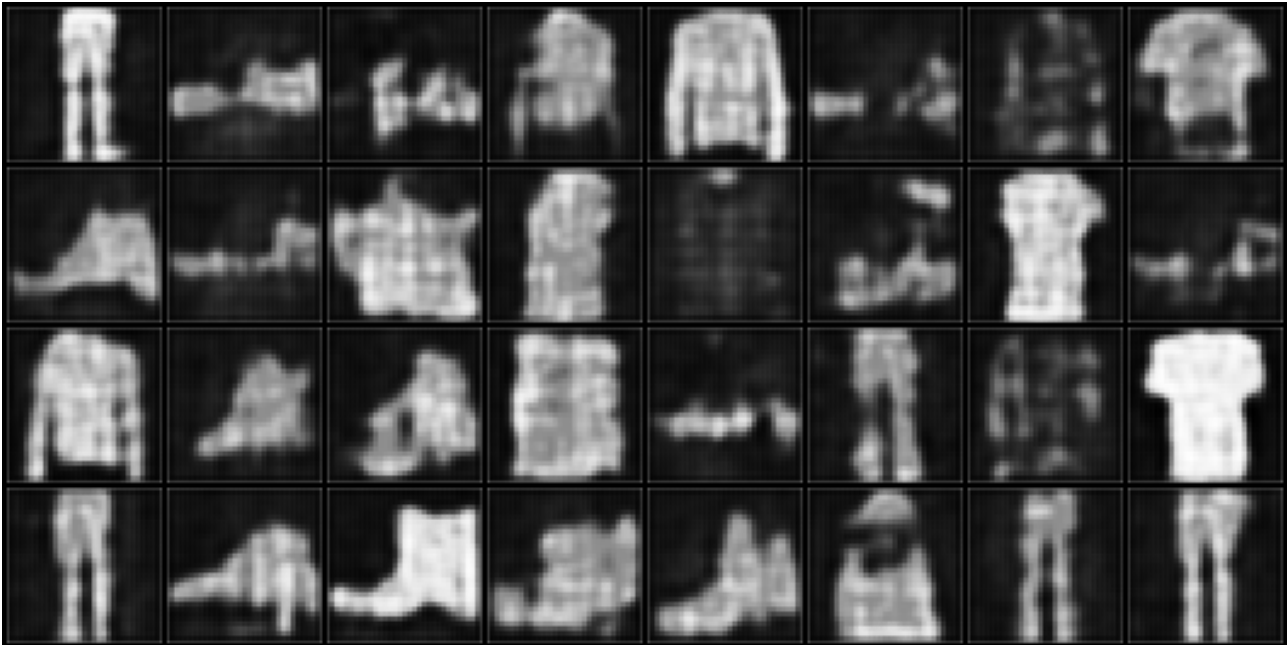
```
loss_gen = -torch.mean(gen_fake)
```

## 3.



Images from step 8 epoch 0

*Fake images*



*Real images from FashionMNIST*

