DCGAN = [ loy (1-D(G(2))] 72 N(0,11).

G(Z) - Const

Inpainting

Virtual Sty-on,

Satelite & map.

GTA 5 -> recel

Face -> cuntoon

Image 2 Image Translation.

 $G(X_{D_s}, l_t) \rightarrow X \sim P_{D_t}$ 

 $D((\times,\ell)) \rightarrow Co(1)$ 

$$L_{D} = - \bigoplus \log D(x, l_{tanget}) + \log (1 - D(G(x, l_{tanget}), l_{tanget}))$$

$$L_{G} = \bigoplus \log (1 - D(G(x, l_{tanget}), l_{tanget})) + \lim_{x \to \infty} (C_{G}(x, t), s) - \chi_{sl_{2}}$$

$$C_{G}(C_{G}(x, t), s)$$

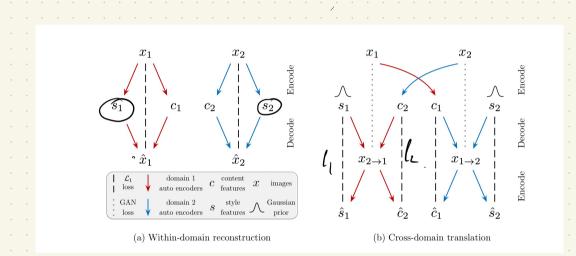
$$C_{G}(C_{G}(x, t), s)$$

$$C_{G}(C_{G}(x, t), s)$$

$$C_{G}(C_{G}(x, t), s)$$

1) 
$$C_1: R(\Xi(X, L_s), L_t)$$
  
 $h_s = \Xi(X_s, s)$   $X_s = R(h_t, s)$   
 $X_t = R(h_s, t)$   $X_s = \Xi(X_s, s)$   
 $X_t = R(h_s, t)$   $X_t = \Xi(X_s, s)$   
 $X_t = R(h_s, t)$   $X_t = \Xi(X_s, s)$ 

R(hsto, hstyle)



 $\left(C, \mathcal{Z}\right)$