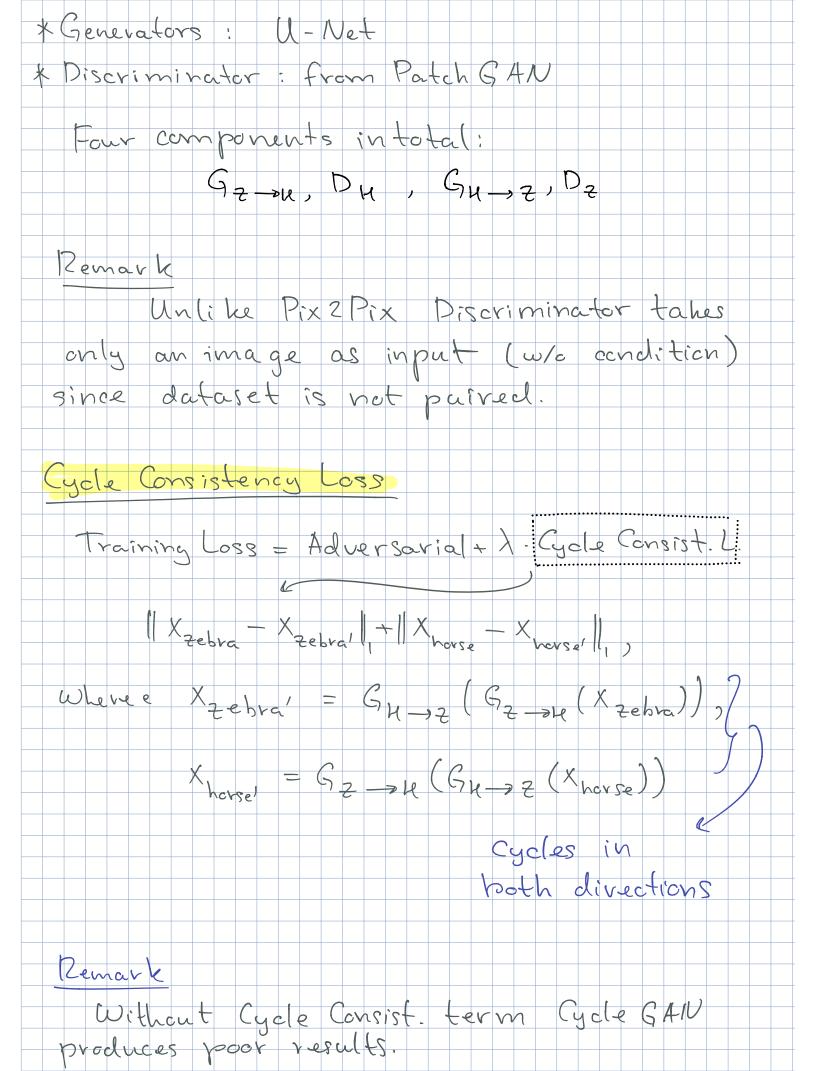


and styles (unique parts of each pile) Which will allow us to take content and Change its style only. Example X - pictures of horses, Y-zebras Model allows us to turn horses on the pic to zebras and vise versa. Cycle GAN Overview Intuition: 1) Take G and generate horse ing ) Zebra pic from Zebra W. horse 2) Use generated ing style and Gy to gen. Zebra from fake nerse ima Ideala Should 3) Idealy, Zebra ing be the same should closly resemble original real zebra Remark Repeat the cycle starting from horse picture.



Remark For Adversarial loss instead of using BCE libern Pix2 Pix, authors use MSE, to prevent vanishing gradients problem. Identity Loss (Optional Loss term) Intuition: GZ > H (Xhovse) = Xhorse) since input already a horse, Gzoke should idealy output the same image We can compute pixel distance between X horse and GZ-U (Xhorse) Similar to Guoz. Melps to preserve colors