Lety u 10

$$V(\phi,\theta) = \mathbb{E}_{\alpha \cap p(\alpha)} \left[\log d(\alpha;\phi) \right] + \mathbb{E}_{\alpha \cap p(\alpha)} \left[\log \left(1 - d(g(\alpha;\phi)) \right] \right]$$

$$\theta^* = \text{ry} \quad \text{min} \quad \text{mox} \quad V(\phi, \theta)$$

$$d(x;\phi_{\theta}^{*}) = \frac{h(x)}{q(x;\theta) + h(x)}, \forall x$$

(2) min max
$$V(\phi, \theta) = \min_{\theta} V(\phi_{\theta}^{*}, \theta)$$

= min
$$\mathbb{E}_{x \sim p(x)} \left(\log \frac{\uparrow(x)}{q(x;0) + p(x)} \right] + \mathbb{E}_{x \sim q(x;0)} \left[\log \frac{q(x;0)}{q(x;0) + p(x)} \right]$$

= min KL
$$(h(x))$$
 $\frac{1}{2}(q(x;0) + p(x)) - \log 2$
 $+ KL(p|q) = E_p [b, \frac{1}{q}]$
 $+ KL (q(x;0)) \frac{1}{2}(q(x;0) + p(x)) - \log 2$

= min 25SD (
$$f(x) || g(x; \theta)$$
) - $l_{3} 4$

$$\theta^* = \text{org} \quad \underset{\Theta}{\text{min}} \quad \underset{\Phi}{\text{moss}} \quad V(\Phi, \Theta)$$

$$= \text{org} \quad \underset{\Theta}{\text{min}} \quad \text{5SD}(\mu(a) | | q(z; \Theta))$$