min max
$$V(6,D) = E_{z \in pz} (log(1-D(6(2)))) + E_{x \in plante}(log(D(x)))$$

$$KL(P|Q) = \sum_{x} P(x) \log \left(\frac{P(x)}{Q(x)} \right)$$

$$= \int_{-\infty}^{\infty} P(x) \log \left(\frac{P(x)}{Q(x)} \right) dx$$

$$JJD (P 11Q) = \frac{1}{2} (KL (P 11M) + KL (Q 11M))$$

$$John M = P + Q$$

=)
$$p^* = \frac{pdate(x)}{pdate(x) + p_5(x)}$$

$$N(6,0) = \int_{x} p dx + c(x) \log(D(x)) dx + \int_{z} p_{z}(z) \log(1-D(6(z))) dz$$

 $V(6,D) = \int_{X} P data(x) log(D(x)) dx + \int_{X} Pg(x) log(1 - D(x)) dx$ $= \int_{X} (P data(x) log(D(x)) dx + \int_{X} Pg(x) log(1 - D(x)) dx$