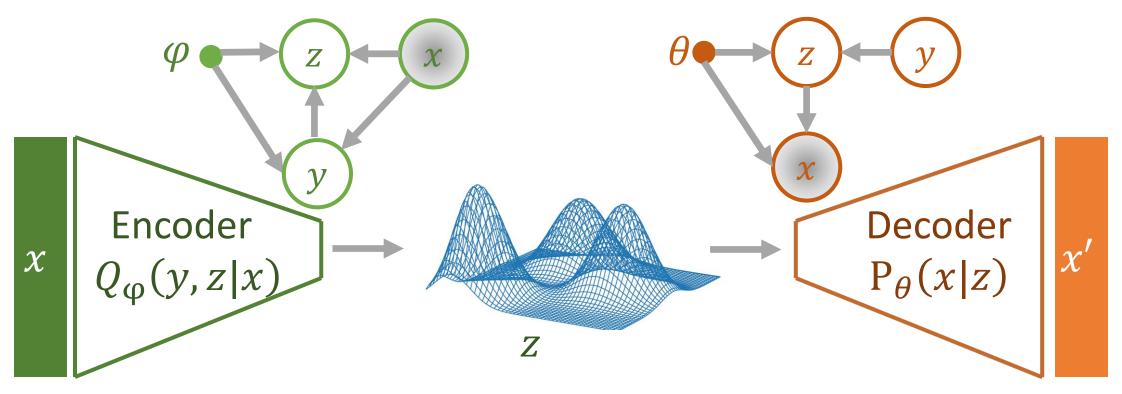


Input

Reconstruction



$$\mathcal{L}(\theta, \phi; x) = \mathbb{E}_{Q_{\phi}(y, z \mid x)} \left[\log P_{\theta}(x, y, z) - \log Q_{\phi}(y, z \mid x) \right]$$

$$\mathcal{L}(\theta, \phi; x) = \mathbb{E}_{Q_{\phi}(y, z \mid x)} \left[\log \frac{P(y)}{Q_{\phi}(y \mid x)} + \log \frac{P_{\theta}(z \mid y)}{Q_{\phi}(z \mid x, y)} + \log P_{\theta}(x \mid z) \right]$$
 Entropy Regularization Reconstruction