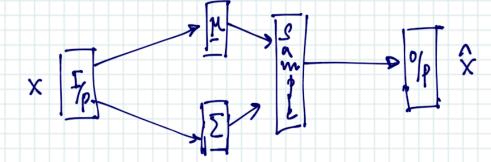
- · Review Spanse AE
- · Variational AE (VAE)
 - motivation
 - Variational informer
- · Motivation for VAE: yonvrative modeling



· Vanishand informe:

Recall: $KL\left(\frac{p(2)}{q(2)} || q(2)\right) = \sum_{2 \in \mathbb{Z}} \frac{p(2)}{q(2)}$

Now:
$$P(2|x) = \frac{P(x,2)}{P(x)} = \frac{P(x|2) \cdot P(2)}{\sum P(x,2)}$$

Challenge: computing marginal is worthy.

: Let us approximate P(21X) with Q(2) to avoid the computational difficulties