Z约匙∬

: AT Var Interence 用一个 皇帝去尽可能近似 P 3位则

min KL (911P)

$$= \sum q(\lambda) \log \frac{q(\lambda)}{p(\lambda)}$$

$$= k \lfloor (\frac{1}{2} | x) \rfloor | P(z|x) \rangle = \sum \frac{9|z|x|}{p(z|x)} \frac{9|z|x|}{p(z|x)}$$

$$= -\sum \frac{9|z|x|}{p(z|x)} \frac{p(z|x)}{9|z|x|}$$

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$$= -\sum \frac{9|z|x|}{p(z|x)} \frac{p(z|x)}{p(z|x)} \frac{p(x|z)}{p(x|x)}$$

$$= -\sum \frac{9|z|x|}{p(z|x)} \frac{p(x|z)}{p(z|x)} + \log \frac{p(x|z)}{p(x|z)}$$

$$= -\sum \frac{9|z|x|}{p(z|x)} \frac{p(x|z)}{p(z|x)} + \sum_{N} \frac{9|z|x|}{p(z|x)} \frac{p(x|z)}{p(z|x)} + \sum_{N} \frac{9|z|x|}{p(z|x)} \frac{p(x|z)}{p(z|x)}$$

$$= -\sum \frac{9|z|x}{p(z|x)} \frac{p(x|z)}{p(z|x)} + \sum_{N} \frac{9|z|x}{p(z|x)} \frac{p(x|z)}{p(z|x)} \frac{p(x|z)}{p(z|x)} + \sum_{N} \frac{9|z|x}{p(z|x)} \frac{p(x|z)}{p(z|x)} \frac{p(x|z)}{p(z|x)} \frac{p(x|z)}{p(z|x)} \frac{p(x|z)}{p(z|x)} + \sum_{N} \frac{9|z|x}{p(z|x)} \frac{p(x|z)}{p(z|x)} \frac{p(x|$$

LG 109 PUX)

$$L = \sum_{n=1}^{\infty} \frac{p(x)^{2}}{p(z)^{2}}$$

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