



$$\min_{\nu} \mathbb{E}_{q_{\nu}} \left[ \log \frac{q_{\nu}(W)}{p(W|x,y)} \right]$$

$$KL(q_v || p(\cdot | x, y))$$

$\min_v$

$$\log p(x) = \textcolor{blue}{KL}\big(\textcolor{blue}{q}_\nu \parallel \textcolor{blue}{p}(\cdot \mid x, y)\big) + \mathbb{E}_{q_\nu}[\log p(W, X, Y)] - \mathbb{E}_{q_\nu}[\log q_\nu(W)]$$