max

$$\boldsymbol{\theta}^{\text{new}} = \arg\max_{\boldsymbol{\theta}} \mathcal{Q}(\boldsymbol{\theta}, \boldsymbol{\theta}^{\text{old}})$$

$\boldsymbol{\theta}^{\text{old}}$

$$p(\boldsymbol{Z}|\boldsymbol{X},\boldsymbol{\theta}^{\text{old}})$$