

$$\nabla_{\theta} \mathcal{L}_t(\psi, \theta) \approx \sum_{l=1}^{L-1} \tilde{\delta}_t(\mathbf{A}^{(l)}; \psi) \nabla_{\theta} \log \mathbf{p}_{\theta}(\mathbf{A}^{(l)}) + \sum_{i=1}^N \tilde{\delta}_t^i(\mathbf{A}_{i,:}^{(L)}; \psi) \nabla_{\theta} \log \mathbf{p}_{\theta}(\mathbf{A}_{i,:}^{(L)})$$

