General form of Expectation Maximization

$$\log p(X \mid \theta) \ge \mathcal{L}(\theta, q) \text{ for any q}$$

$$q^{k+1} = \arg \max_{q} \mathcal{L}(\theta^k, q)$$

$$\log p(X \mid \theta)$$

$$\theta^{k+2}$$

$$\mathcal{L}(\theta, q^{k+2})$$