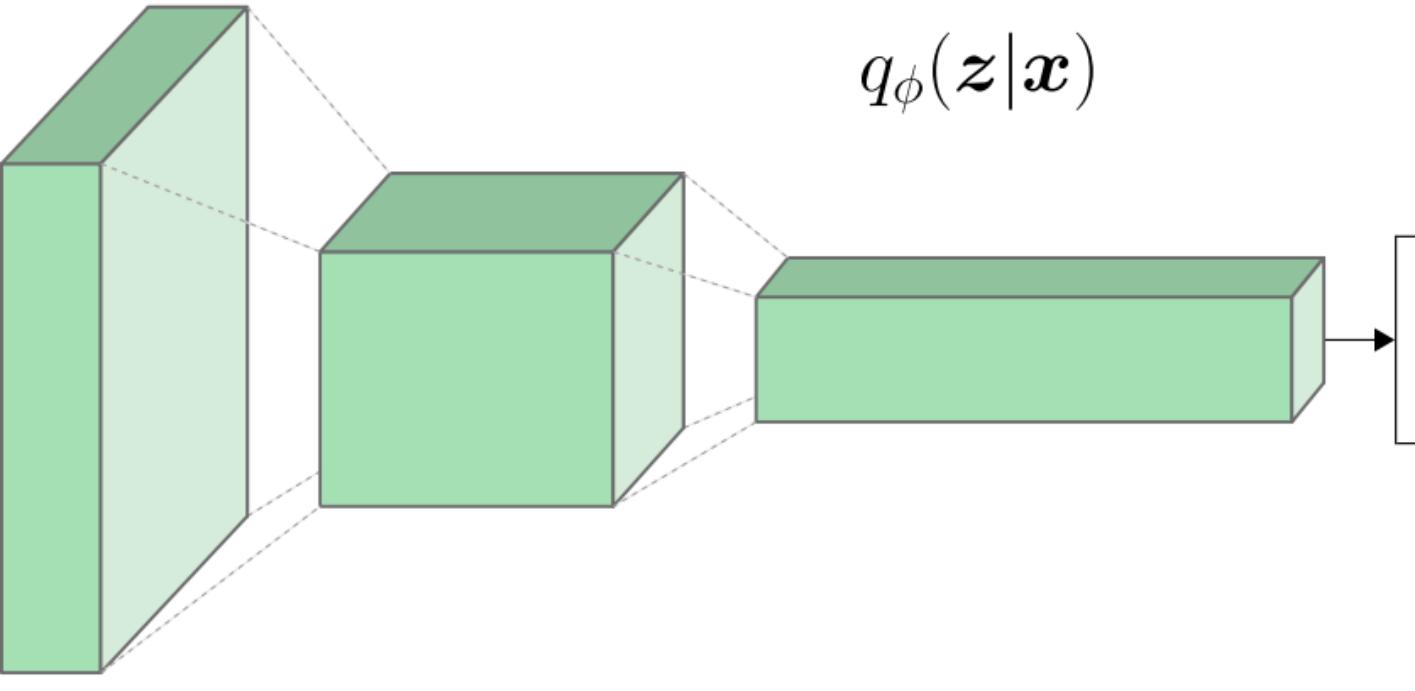


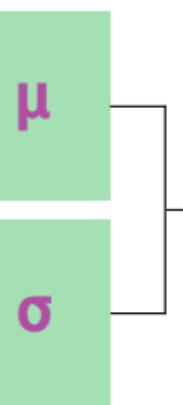
Probabilistic Encoder

$$q_{\phi}(z|x)$$



Low dimensional representation

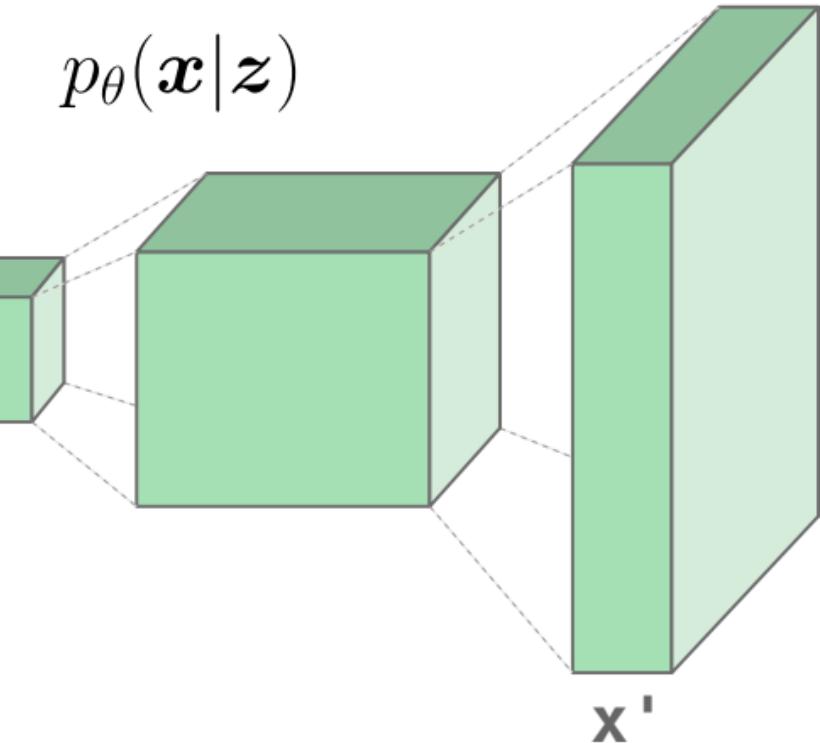
Latent space



$$\begin{aligned} z &= \mu + \sigma \odot \epsilon \\ \epsilon &\sim \mathcal{N}(\mathbf{0}, \mathbb{I}) \\ \text{Reparameterization trick} \end{aligned}$$

Probabilistic Decoder

$$p_{\theta}(x|z)$$



Reconstructed Input