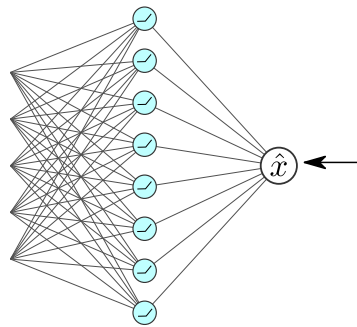


$$\mathcal{L}(\mathbf{r}^i, x^i) = -\log(p(x_m^i | \mathbf{r}^i))$$

Error-based decoder



$$\mathcal{L}(\mathbf{r}^i, x^i) = (\hat{x}(\mathbf{r}^i) - x^i)^2$$

Test error

$$\varepsilon^2 = \left\langle (\hat{x}(\mathbf{r}) - x)^2 \right\rangle_{\mathbf{r}, x}$$