

$$\begin{aligned}
 \mathbf{e}^* &= \arg \max_{\mathbf{e}} p(\mathbf{e} \mid \mathbf{g}) \\
 &= \arg \max_{\mathbf{e}} \frac{p(\mathbf{g} \mid \mathbf{e}) \times p(\mathbf{e})}{p(\mathbf{g})} \\
 &= \arg \max_{\mathbf{e}} p(\mathbf{g} \mid \mathbf{e}) \times p(\mathbf{e})
 \end{aligned}$$