$$\mathbf{e}^* = \arg\max_{\mathbf{e}} p(\mathbf{e} \mid \mathbf{g})$$

$$= \arg\max_{\mathbf{e}} \frac{p(\mathbf{g} \mid \mathbf{e}) \times p(\mathbf{e})}{p(\mathbf{g})}$$

$$= \arg\max_{\mathbf{e}} p(\mathbf{g} \mid \mathbf{e}) \times p(\mathbf{e})$$