$\mathsf{Exp}^{\mathrm{ind-cca}-b^*}_{\mathrm{PKE}}(\mathbb{A})$ $(pk, sk) \leftarrow_{\$} \mathsf{Kg}$ \mathcal{D} pk (m_0, m_1) $c^* \leftarrow_{\mathbb{S}} \mathsf{Enc}_{pk}(m_{b^*})$ $\mathcal{D}(c)$ require $c \neq c^*$ $m \leftarrow \mathsf{Dec}_{sk}(c)$

$$\mathsf{Adv}^{\text{ind-cca}}_{\text{PKE}}(\mathbb{A}) = \Pr \Big[\hat{b} = 1 \ \Big| \ b^* = 0 \ \Big] - \Pr \Big[\hat{b} = 1 \ \Big| \ b^* = 1 \ \Big]$$

return m