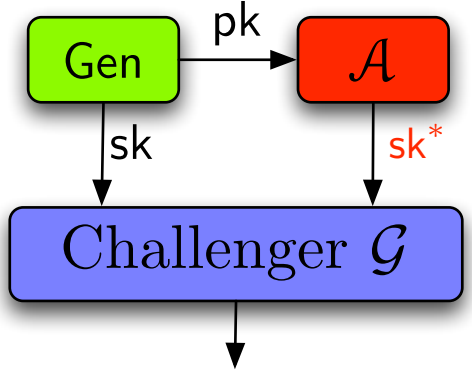

$$\mathcal{G}^{\mathcal{A}}$$

$$\left[\begin{array}{l} (\mathsf{sk}, \mathsf{pk}) \leftarrow \mathsf{Gen} \\ \mathsf{sk}^* \leftarrow \mathcal{A}(\mathsf{pk}) \\ \mathbf{return}\ [\mathsf{sk} \stackrel{?}{=} \mathsf{sk}^*] \end{array}\right.$$