

$$\begin{array}{c} A \\ k_{AB} \end{array}$$

$$n_A \xleftarrow{\$} \{0, 1\}^\kappa$$

$$\xrightarrow{n_A}$$

$$\xleftarrow{n_B}$$

$$k \leftarrow \text{PRF}_{k_{AB}}(n_A, n_B)$$

$$\begin{array}{c} B \\ k_{AB} \end{array}$$

$$n_B \xleftarrow{\$} \{0, 1\}^\kappa$$

$$k \leftarrow \text{PRF}_{k_{AB}}(n_A, n_B)$$