

Choose $m_A, n_A \in \mathbb{Z}$

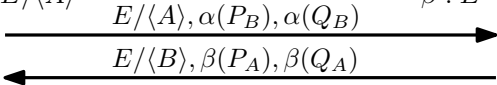
$$A := [m_A]P_A + [n_A]Q_A$$

$$\alpha : E \rightarrow E/\langle A \rangle$$

Choose $m_B, n_B \in \mathbb{Z}$

$$B := [m_B]P_B + [n_B]Q_B$$

$$\beta : E \rightarrow E/\langle B \rangle$$



key: $E/\langle B \rangle/\langle A' \rangle = E_{BA} \cong E_{AB}, \quad A' = [m_A]\beta(P_A) + [n_A]\beta(Q_A)$