
	Alice	$E(\mathbb{F}_{p^2}) \cong (\mathbb{Z}/2^{e_A}3^{e_B}\mathbb{Z})^2$	Bob	
	$E[2^{e_A}] = \langle P_A, Q_A \rangle$		$E[3^{e_B}] = \langle P_B, Q_B \rangle$	

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

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

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

$$E/\langle A \rangle, \alpha(P_B), \alpha(Q_B)$$

$$E/\langle B \rangle, \beta(P_A), \beta(Q_A)$$

