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

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

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

$E/\langle A \rangle, \alpha(P_B), \alpha(Q_B)$	
$E/\langle B \rangle, \beta(P_A), \beta(Q_A)$	
	

$$E/\langle B \rangle/\langle A' \rangle, \quad A' = m_A \beta(P_A) + n_A \beta(Q_A)$$