Alice
$$E(\mathbb{F}_{p^2})\cong (\mathbb{Z}/2^{e_A}3^{e_B}\mathbb{Z})^2$$
 Bob C $E[2^{e_A}]=\langle P_A,Q_A\rangle$ $E[3^{e_B}]=\langle P_B,Q_B\rangle$ Choose $m_A,n_A\in\mathbb{Z}$ Choose $m_B,n_B\in\mathbb{Z}$ $A:=[m_A]P_A+[n_A]Q_A$ $B:=[m_B]P_B+[n_B]Q_B$ $\alpha:E\to E/\langle A\rangle$ $\beta:E\to E/\langle B\rangle$ $E/\langle A\rangle,\alpha(P_B),\alpha(Q_B)$ $\beta:E\to E/\langle B\rangle$ key: $E/\langle B\rangle/\langle A'\rangle=E_{BA}\cong E_{AB},\ A'=[m_A]\beta(P_A)+[n_A]\beta(Q_A)$