

$$\begin{array}{c}
 \mathbb{F}_{p^{18}} \\
 \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
 \hline
 \overbrace{1 \quad i \quad i^2}^{\mathbb{F}_p} & v & iv & i^2v & \theta & i\theta & i^2\theta & v\theta & iv\theta & i^2v\theta & \theta^2 & i\theta^2 & i^2\theta^2 & v\theta^2 & iv\theta^2 & i^2v\theta^2 \\
 \hline
 \end{array} \\
 x_Q = \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
 \hline
 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & a_9 & a_{10} & a_{11} & 0 & 0 & 0 & 0 & 0 & 0 \\
 \hline
 \end{array} \\
 \underbrace{\hspace{10em}}_{\mathbb{F}_{p^3}} \\
 y_Q = \begin{array}{|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|c|}
 \hline
 0 & 0 & 0 & a_3 & a_4 & a_5 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\
 \hline
 \end{array} \\
 \underbrace{\hspace{10em}}_{\mathbb{F}_{p^3}}
 \end{array}$$

$$\begin{aligned}
 a_j &\in \mathbb{F}_p, \quad \text{where } a_j = (0, 1, \dots, 17) \\
 Q &= (x_Q, y_Q) = (Av\theta, Bv) \in \mathbb{F}_{p^{18}} \\
 Q' &= (x'_Q, y'_Q) = (Ai, Bi) \in \mathbb{F}_{p^3}
 \end{aligned}$$