$$\mathcal{E}_{r_1,r_2,r_3} = \left\{ \mathrm{rk} \begin{bmatrix} \underline{\underline{A}}^{(r_1)} \\ \underline{\underline{A}}^{(r_2)} \\ \underline{\underline{A}}^{(r_3)} \end{bmatrix} < 2t \right\}$$

$1 \leq r_1 < r_2 < r_3 \leq r$

$\underline{\underline{A}}^{(r_1)}, \ldots, \underline{\underline{A}}^{(r_3)} \in \mathbb{F}_q^{t \times 3t}$