$$\begin{split} \kappa_0 &= \kappa_0 \oplus \kappa_7 \\ \kappa_1 &= \kappa_1 \oplus \kappa_5 \\ \kappa_2 &= \kappa_2 \oplus \kappa_4 \\ \kappa_0 &= \kappa_0 \oplus \kappa_2 \\ \kappa_1 &= \kappa_1 \oplus \kappa_7 \\ \kappa_0 &= \kappa_0 \oplus \kappa_5 \\ \kappa_2 &= \kappa_2 \oplus \kappa_7 \\ \kappa_0 &= \kappa_0 \oplus \kappa_6 \\ \kappa_1 &= \kappa_1 \oplus \kappa_4 \\ \kappa_2 &= \kappa_2 \oplus \kappa_5 \\ \kappa_0 &= \kappa_0 \oplus \kappa_3 \\ \kappa_1 &= \kappa_1 \oplus \kappa_6 \\ \kappa_0 &= \kappa_0 \oplus \kappa_4 \\ \kappa_0 &= \kappa_0 \oplus \kappa_4 \\ \kappa_2 &= \kappa_2 \oplus \kappa_6 \\ \end{split}$$