

$$G = \mathbb{Z}/6\mathbb{Z} \quad H = \langle \bar{3} \rangle = \{\bar{0}, \bar{3}\}$$

$$G/H = \{ \{\bar{0}, \bar{3}\}, \{\bar{1}, \bar{4}\}, \{\bar{2}, \bar{5}\} \}$$

note

$$\begin{aligned} C + C' &= (\bar{0} + \bar{4}) + H = \underline{\bar{4} + H} \\ &= (\bar{3} + \bar{1}) + H = \underline{\bar{4} + H} \end{aligned}$$