

$$\begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \left\{ \begin{pmatrix} 1 & 0 \\ 0 & -1 \end{pmatrix} \right\}$$

$$\left[\begin{array}{cc|cc} 1 & 0 & 1 & 0 \\ 0 & -1 & 0 & -1 \end{array} \right] \left\| \begin{array}{cc|cc} 1 & 0 & 1 & 0 \\ 0 & -1 & 0 & -1 \end{array} \right\|$$