



$$\begin{pmatrix} 1 \\ 0 \\ 0 \end{pmatrix}$$

$$\begin{pmatrix} 0 \\ 1 \\ 0 \end{pmatrix}$$

$$\begin{pmatrix} 0 \\ 0 \\ 1 \end{pmatrix}$$

$$\begin{pmatrix} 1 & -1 & 1 \\ 1 & 1 & 2 \\ 0 & 0 & 0 \end{pmatrix}$$

+ \mathbf{E}

$$\begin{pmatrix} 1 \\ 1 \\ 0 \end{pmatrix}$$

+ \mathbf{e}_1

$$\begin{pmatrix} -1 \\ 1 \\ 0 \end{pmatrix}$$

+ \mathbf{e}_2

$$\begin{pmatrix} 1 \\ 2 \\ 0 \end{pmatrix}$$

+ \mathbf{e}_3

