

(2)

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

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

$$\begin{pmatrix} 1 & 1 & 1 & 1 \\ 0 & -3 & 0 & -1 \\ 0 & -2 & -1 & -1 \\ 0 & 1 & -2 & 0 \end{pmatrix} \begin{pmatrix} 0 & 0 & 0 & 1 \\ 0 & 1 & 0 & -2 \\ 0 & 0 & 1 & -2 \\ 1 & 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 0 & 3 & 1 \\ 0 & 0 & -6 & -1 \\ 0 & 0 & -5 & -1 \\ 0 & 1 & -2 & 0 \end{pmatrix} \begin{pmatrix} -1 & 0 & 0 & 1 \\ 3 & 1 & 0 & -2 \\ 2 & 0 & 1 & -2 \\ 1 & 0 & 0 & 0 \end{pmatrix}$$

$$\begin{pmatrix} 1 & 0 & -3 & 0 \\ 0 & 0 & -6 & -1 \\ 0 & 0 & 1 & 0 \\ 0 & 1 & -2 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 0 & 0 & 1 \\ 0 & 0 & 1 & 0 \\ 0 & 1 & 0 & 0 \\ 1 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 \\ 0 & 0 & 1 & 0 \\ 0 & 0 & 0 & 1 \end{pmatrix} \begin{pmatrix} 2 & 1 & 0 & -1 \\ 3 & 1 & 0 & -2 \\ -1 & -1 & 1 & 0 \\ 1 & 0 & 0 & 0 \\ -1 & -2 & 3 & -1 \\ +3 & +5 & -6 & +2 \\ -1 & -1 & 1 & 0 \\ -1 & -2 & 2 & 0 \\ -1 & -2 & 3 & -1 \\ -1 & -2 & 2 & 0 \\ -1 & -1 & 1 & 0 \\ 3 & 5 & -6 & 2 \end{pmatrix}$$