

$$\begin{pmatrix} 42 & 10 & -1 & 0 & 0 & 0 & 0 & 0 \\ -15 & -1 & 4 & 0 & 1 & 0 & 0 & 0 \\ -1 & -8 & -2 & 1 & 0 & 0 & 0 & 0 \\ -2 & 2 & -2 & 0 & 0 & 0 & 0 & 0 \\ -1 & 0 & 0 & -1 & 0 & 0 & 0 & 0 \\ 0 & 1 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \\ 0 & 0 & 0 & 0 & 0 & 0 & 0 & 0 \end{pmatrix}$$