$$
\begin{array}{c c}
 & \begin{array}{c c} u(e_1) & u(e_2) \end{array} \\
\begin{array}{c} e_1 \\ e_2 \end{array} & \left(\begin{array}{c c} 0 & 2 \\ 2 & 8 \end{array}\right)
\end{array}
$$

$$
\begin{pmatrix} x1 & x2 \\ x3 & x4 \\ x5 & x6 \end{pmatrix}\begin{array}{c} 1 \\ 2 \\ 3 \end{array}
$$
$$
\begin{array}{c c} 1 & 2 \end{array}
$$