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

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

$$\begin{array}{cc} \begin{bmatrix} x1 & x2 \\ x3 & x4 \\ x5 & x6 \end{bmatrix} & \begin{array}{c} 1 \\ 2 \\ 3 \end{array} \\ \begin{array}{cc} 1 & 2 \end{array} & \end{array} \quad \begin{array}{cc} \begin{Bmatrix} x1 & x2 \\ x3 & x4 \\ x5 & x6 \end{Bmatrix} & \begin{array}{c} 1 \\ 2 \\ 3 \end{array} \\ \begin{array}{cc} 1 & 2 \end{array} & \end{array}$$