

$$\begin{array}{c} \bar{\mathbf{F}}_{1x} \\ \bar{\mathbf{F}}_{1y} \\ \bar{\mathbf{F}}_{5x} \\ \bar{\mathbf{F}}_{5y} \end{array} \begin{pmatrix} \bar{\mathbf{u}}_1 & \bar{\mathbf{v}}_1 & \bar{\mathbf{u}}_5 & \bar{\mathbf{v}}_5 \\ 336000 & 0 & -336000 & 0 \\ 0 & 0 & 0 & 0 \\ -336000 & 0 & 336000 & 0 \\ 0 & 0 & 0 & 0 \end{pmatrix}$$

$$\begin{array}{c} \bar{\mathbf{F}}_{1x} \\ \bar{\mathbf{F}}_{1y} \\ \bar{\mathbf{F}}_{5x} \\ \bar{\mathbf{F}}_{5y} \end{array} \begin{bmatrix} \bar{\mathbf{u}}_1 & \bar{\mathbf{v}}_1 & \bar{\mathbf{u}}_5 & \bar{\mathbf{v}}_5 \\ 336000 & 0 & -336000 & 0 \\ 0 & 0 & 0 & 0 \\ -336000 & 0 & 336000 & 0 \\ 0 & 0 & 0 & 0 \end{bmatrix}$$