$$\begin{pmatrix} \underline{i}_1 \\ \underline{i}_2 \end{pmatrix} = \begin{pmatrix} \underline{y}_{11} & \underline{y}_{12} \\ \underline{y}_{21} & \underline{y}_{22} \end{pmatrix} \begin{pmatrix} \underline{v}_1 \\ \underline{v}_2 \end{pmatrix}$$