

$$\mathbf{M} \cdot \vec{x} = \vec{y} \quad \mathbf{M} = \begin{pmatrix} a_{11} & a_{12} \\ a_{21} & a_{22} \end{pmatrix} \quad \vec{y} = \begin{pmatrix} y_1 \\ y_2 \end{pmatrix}$$