

$$\mathbf{A} \boldsymbol{\gamma} = \mathbf{P}$$

$$\begin{pmatrix} 1 & 1 & \cdots & 1 & 0 & 0 & \cdots & 0 & \cdots & \cdots & \cdots & 0 & 0 & \cdots & 0 \\ 0 & 0 & \cdots & 0 & 1 & 1 & \cdots & 1 & \cdots & \cdots & \cdots & 0 & 0 & \cdots & 0 \\ \vdots & \vdots & \cdots & \vdots & \vdots & \vdots & \cdots & \vdots & \vdots & \vdots & \cdots & \vdots & \vdots & \cdots & \vdots \\ 0 & 0 & \cdots & 0 & 0 & 0 & \cdots & 0 & \cdots & \cdots & \cdots & 1 & 1 & \cdots & 1 \\ \hline 1 & 0 & \cdots & 0 & 1 & 0 & \cdots & 0 & \cdots & \cdots & \cdots & 1 & 0 & \cdots & 0 \\ 0 & 1 & \cdots & 0 & 0 & 1 & \cdots & 0 & \cdots & \cdots & \cdots & 0 & 1 & \cdots & 0 \\ \vdots & \vdots & \cdots & \vdots & \vdots & \vdots & \cdots & \vdots & \vdots & \vdots & \cdots & \vdots & \vdots & \cdots & \vdots \\ 0 & 0 & \cdots & 1 & 0 & 0 & \cdots & 1 & \cdots & \cdots & \cdots & 0 & 0 & \cdots & 1 \end{pmatrix}$$

$$\begin{pmatrix} \gamma(x_1, y_1) \\ \gamma(x_2, y_1) \\ \vdots \\ \gamma(x_n, y_1) \\ \gamma(x_1, y_2) \\ \gamma(x_2, y_2) \\ \vdots \\ \gamma(x_n, y_2) \\ \vdots \\ \vdots \\ \vdots \\ \vdots \\ \vdots \\ \vdots \\ \gamma(x_1, y_n) \\ \gamma(x_2, y_n) \\ \vdots \\ \gamma(x_n, y_n) \end{pmatrix}$$

$$=$$

$$\begin{pmatrix} q(y_1) \\ q(y_2) \\ \vdots \\ q(y_n) \\ p(x_1) \\ p(x_2) \\ \vdots \\ p(x_n) \end{pmatrix}$$