

$$\mathbf{A} \mathbf{\Gamma} = \mathbf{P}$$

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

$$\begin{pmatrix} \Gamma(x_1, y_1) \\ \Gamma(x_2, y_1) \\ \vdots \\ \Gamma(x_n, y_1) \\ \hline \Gamma(x_1, y_2) \\ \Gamma(x_2, y_2) \\ \vdots \\ \Gamma(x_n, y_2) \\ \hline \vdots \\ \vdots \\ \vdots \\ \vdots \\ \hline \Gamma(x_1, y_m) \\ \Gamma(x_2, y_m) \\ \vdots \\ \Gamma(x_n, y_m) \end{pmatrix}$$

$$=$$

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