$$\begin{matrix} 0 & 1 \\ 1 & 0 \end{matrix}$$

$$\begin{pmatrix} 0 & 1 \\ 1 & 0 \end{pmatrix}$$

$$\begin{bmatrix} 0 & 1 \\ 1 & 0 \end{bmatrix}$$

$$\begin{Bmatrix} 0 & 1 \\ 1 & 0 \end{Bmatrix}$$

$$\begin{vmatrix} 0 & 1 \\ 1 & 0 \end{vmatrix}$$

$$\begin{Vmatrix} 0 & 1 \\ 1 & 0 \end{Vmatrix}$$

$$\begin{vmatrix} a_{11}^2 & a_{12}^2 \\ a_{21}^2 & a_{22}^2 \end{vmatrix}$$

$$\begin{vmatrix} 0 & 1 & & 0 \\ 1 & 0 & & \\ 0 & 1 & 0 & 1 \\ 1 & 0 & 1 & 0 \end{vmatrix}$$

$$A = \begin{bmatrix} a_{11}^2 & \cdots & a_{1n}^2 \\ & \ddots & \vdots \\ a_{n1}^2 & \cdots & a_{nn}^2 \end{bmatrix}_{n \times n}$$