

# 1 Package nicematrix

$$\left( \begin{array}{ccc|cc} 1 & 2 & 3 & 1 & 0 \\ 4 & 5 & 6 & 0 & 1 \\ \hline 7 & 8 & 9 & & \\ 10 & 11 & 12 & & \end{array} \right), \quad \left( \begin{array}{c|c} A & \begin{smallmatrix} 0 \\ \vdots \\ 0 \end{smallmatrix} \\ \hline 0 \dots\dots\dots 0 & 0 \end{array} \right), \quad \left( \begin{array}{ccccccc} I & 0 & \dots\dots\dots 0 \\ & \ddots & & & & & \\ 0 & I & & & & & \\ & & \ddots & & & & \\ & & & I & & & \\ 0 & \dots\dots\dots 0 & & & 0 & & I \end{array} \right) \quad (1)$$

$$\left( \begin{array}{ccc} 1 & & \\ & \ddots & \\ & & 1 \\ \hline & 0 & 1 \\ & & \ddots \\ & 1 & 0 \\ \hline & & 1 \\ & & & \ddots \\ & & & & 1 \end{array} \right) \begin{array}{l} \leftarrow i \\ \leftarrow j \end{array}$$

$\begin{array}{c} \uparrow \\ i \end{array} \quad \begin{array}{c} \uparrow \\ j \end{array}$

Beispiele aus der Dokumentation.