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strictly upper triangular matrix

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Defines	strictly lower triangular matrix

A *strictly* is an upper triangular matrix which has 0 on the main diagonal. Similarly a *strictly lower triangular matrix* is a lower triangular matrix which has 0 on the main diagonal. i.e.

A strictly upper triangular matrix is of the form

$$\begin{bmatrix} 0 & a_{12} & a_{13} & \cdots & a_{1n} \\ 0 & 0 & a_{23} & \cdots & a_{2n} \\ 0 & 0 & 0 & \cdots & a_{3n} \\ \vdots & \vdots & \vdots & \ddots & \vdots \\ 0 & 0 & 0 & \cdots & 0 \end{bmatrix}$$

A strictly lower triangular matrix is of the form

$$\begin{bmatrix} 0 & 0 & 0 & \cdots & 0 \\ a_{21} & 0 & 0 & \cdots & 0 \\ a_{31} & a_{32} & 0 & \cdots & 0 \\ \vdots & \vdots & \vdots & \ddots & \vdots \\ a_{n1} & a_{n2} & a_{n3} & \cdots & 0 \end{bmatrix}$$