4.2.30

Find the LU-factorization of the matrix

> $A := Matrix([[3, 0, 1], [0, -1, 3], [1, 3, 0]])$

$$A := \begin{bmatrix} 3 & 0 & 1 \\ 0 & -1 & 3 \\ 1 & 3 & 0 \end{bmatrix}$$

<div align="right">(1.1)</div>

L is lower triangular and U is unit upper triangular.

>

4.2.41

>

cp 4.2.2

>

4.3.1

>

4.4.33

>

4.4.40

>