

# TinyLA API Reference

## VariableMatrix

The `VariableMatrix` class template represents a matrix with variable elements.

$$\text{E.g.: } A_{2 \times 3} = \begin{pmatrix} 1 & 2 & 3 \\ 4 & 5 & 6 \end{pmatrix}, \quad I_{3 \times 3} = \begin{pmatrix} 1 & 0 & 0 \\ 0 & 1 & 0 \\ 0 & 0 & 1 \end{pmatrix}$$