

Introducing the *EasyInput* function.  
 You can send multiple *EasyInput* styled commands to the interpret function.

```
#Some text → tex.print("Somet ext")
a_k_1_0:=10 → a_k_1_0=tVar:New(10,"a_{k,1}^0")
(Also possible with vectors and matrices)
--Some comment → --Some comment
everything else → everything else
```

The String hast to be passed as multiline string to the tVar function:

```
tVar.intString([===[
EasyInput Code
]===])
```

Vector matrix multiplication

$$\mathbf{M} = \begin{pmatrix} 1,000 & 12,000 & 23,000 \\ 421,000 & 5,000 & 6,000 \\ 733,000 & 81,000 & 9,000 \end{pmatrix} \quad (1)$$

$$\vec{v} = \begin{pmatrix} 4,000 \\ 5,000 \\ 6,000 \end{pmatrix} \quad (2)$$

$$\vec{d} = \begin{pmatrix} 1,000 & 12,000 & 23,000 \\ 421,000 & 5,000 & 6,000 \\ 733,000 & 81,000 & 9,000 \end{pmatrix} \cdot \begin{pmatrix} 4,000 \\ 5,000 \\ 6,000 \end{pmatrix} = \begin{pmatrix} 202,000 \\ 1745,000 \\ 3391,000 \end{pmatrix} \quad (3)$$

Calculate inverse

$$\begin{pmatrix} 1,000 & 12,000 & 23,000 \\ 421,000 & 5,000 & 6,000 \\ 733,000 & 81,000 & 9,000 \end{pmatrix}^{-1} \cdot \begin{pmatrix} 202,000 \\ 1745,000 \\ 3391,000 \end{pmatrix} = \begin{pmatrix} 4,000 \\ 5,000 \\ 6,000 \end{pmatrix} \quad (4)$$