User's Guide

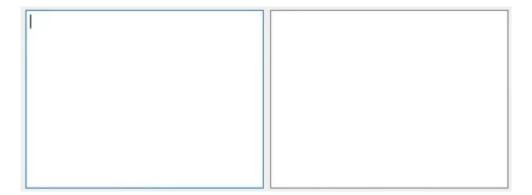
You need python3 and pycharm to use the software, and install pyQt5.

```
To install pyQt5, you can type these codes,
pip3 install PyQt5 -i https://pypi.douban.com/simple
pip3 install PyQt5-tools -i https://pypi.douban.com/simple
pip3 install PyQt5-stubs -i https://pypi.douban.com/simple
```

The left block is used to input the matrix. If you want to input a 3×3 matrix, then just type like that,

a₁₁ a₁₂ a₁₃a₂₁ a₂₂ a₂₃a₃₁ a₃₂ a₃₃

The right block is used to output results. After you calculate the matrix, the output results will be displayed in the right block.



The part below is the number you need to input and the matrix operation you need to implement.

次方:			转置	行列式
7	8	9	求逆	最简型
4	5	6	秩	特征向量
1	2	3	Enter	特征值
0			-	Clear

For example, if you want to input a matrix

$$\left(\begin{array}{cc} 1 & -2 \\ 0 & -1 \end{array}\right)$$

Then just follow the steps below to enter,

And you will get the matrix that you want.

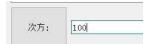


To find the 100th power of matrix A, A is given that

$$A = \begin{matrix} 1 & -2 & -2 \\ 1 & 0 & -3 \\ 1 & -1 & -2 \end{matrix}$$

You just need to type matrix A in the left block,

and then type 100 in the blank of "次方",



and you will get the answer in the right block.

50*x*	*2	- 49
-199	0	400
-100	1	200
-100	0	201
	-	