Rank finding

1分

You are given a square matrix A. You are also given access to the function `m_echelon(A)` (that you just saw in class) which returns an a tuple `(M, U)` with invertible matrix M and a matrix U in upper echelon form so that $MA = U$.

Compute the rank of A and assign it to `rank`.

INPUT:

- `A` : a matrix as a numpy array
- `m_echelon` : a function to compute the 'echelon factorization'
- `tol` : the maximum 2-norm at which a row of U is considered zero

OUTPUT:

- `rank` : the rank of the matrix A to tolerance `tol`

评分代码 (点击查看)

起始代码 (点击查看)

回答*

```
1 import numpy as np
2 import numpy.linalg as la
```

按F9以打开/关闭全屏模式. 在 用户信息 (/profile/) 中设置编辑器模式.

保存回答 提交用于评分的回答

(您仍然可以在提交**本问题**后修改回答)