Métodos numéricos Tarea 10

Enlace a repositorio

https://github.com/Bidobelemti/M-todos-num-ricos/tree/main

1. Realice las siguientes multiplicaciones matriz - matriz

```
import numpy as np
A = [
    [2,-3],
    [3,-1]]
B = [
    [1,5],
    [2,0]]
np.dot(np.array(A), np.array(B))
```

```
array([[-4, 10],
       [ 1, 15]])
```

```
A1 = [
    [2,-3],
    [3,-1]
]

B1 = [
    [1,5,-4],
    [-3,2,0]
]
np.dot(np.array(A1), np.array(B1))
```

```
array([[ 11,   4,  -8],
       [  6,  13, -12]])
```

```
A2 = [
    [2,-3,1],
    [4,3,0],
    [5,2,-4]
]

B2 = [
    [0,1,-2],
    [1,0,-1],
    [2,3,-2]
]
np.dot(np.array(A2), np.array(B2))
```

```
array([[ -1,   5,  -3],
       [  3,   4, -11],
       [ -6,  -7,  -4]])
```

```
A3 = [
    [2,1,2],
    [-2,3,0],
    [2,-1,3]
]

B3 = [
    [1,-2],
    [-4,1],
    [0,2]
]
np.dot(np.array(A3), np.array(B3))
```

```
array([[ -2,   1],
       [-14,   7],
       [  6,   1]])
```

2. Determine cualés de las siguientes matrices son no singulares y calcule la inversa de esas matrices.

```
# matriz singular aquella que su determinante es 0
from src import calc_determinante

A = [
```