

# Experiment5

October 4, 2022

```
[1]: import numpy as np
```

```
[2]: A = np.array([[17, 24, 1, 8, 15],  
[23, 5, 7, 14, 16],  
[ 4, 6, 13, 20, 22],  
[10, 12, 19, 21, 3],  
[11, 18, 25, 2, 9]])
```

```
[3]: if (A.sum(axis=0).all() == A.sum(axis = 1).all() == np.diag(np.fliplr(A)).all() &   
      ↪ == np.diag(A).all()):  
      print("Magic Square")
```

Magic Square

```
[ ]:
```