In [48]:

```
print("Summation of 1st row: ")
print(np.sum(X[0,0:]))
print("Summation of 2nd row: ")
print("Summation of 3rd row: ")
print("Summation of 4th row: ")
print("Summation of 5th row: ")
print("Summation of 6th row: ")
```

```
Summation of 1st row:
21
Summation of 2nd row:
Summation of 3rd row:
Summation of 4th row:
Summation of 5th row:
Summation of 6th row:
```

K.

In [44]:

```
print("The sum of all the elements in the matrix is: ")
np.sum(X[:,:])
```

```
The sum of all the elements in the matrix is:
```

Out[44]:

```
666
```

24/06/19

In [4]:

```
import sympy as sp
```

In [16]:

```
x = np.array([[1,2,-1],[2,1,4],[3,3,4]]) - 1
y = np.array([[1,2,-1],[2,1,5],[3,3,4]]) - 2
z = np.array([[1,2],[2,4]]) -3
```

In [18]:

```
print(np.linalg.solve(x,y))
```

```
[[ -9. -10.  -3.]
 [  5.   6.   1.]
 [  3.   3.   2.]]
```

In [ ]:

```

```