

0

0 1

0 2 4

0 3 6 9

0 4 8 12 16

```
In [1]: for i in range(5):
        for j in range(0,i+1):
            print(i*j, end = ' ')
        print()
```

0

0 1

0 2 4

0 3 6 9

0 4 8 12 16

```
In [3]: n = [[1,2],4,5]
        n[0][1]
```

Out[3]: 2

```
when i = 0,
j = 0===8
    when i = 0, j = 1 == 10

    when i = 1
        j = 0 === 7

        j = 1 == 7
```

```
In [7]: a = [[2,3],
             [4,5]]

        b = [[6,7],
             [3,2]]

        result = [[0,0],
                  [0,0]]

        for i in range(len(a)):#range(2)== 0,1
            for j in range(len(a[0])):#range(2) == 0,1
                result[i][j] = a[i][j] + b[i][j]

        for r in result:
            print(r)
```

[8, 10]

[7, 7]

```
In [9]: a = [[2,3],
            [4,5]]

b = [[6,7],
      [3,2]]

result = [[0,0],
          [0,0]]

for i in range(len(a)):#range(2)== 0,1
    for j in range(len(a[0])):#range(2) == 0,1
        result[i][j] = a[i][j] - b[i][j]

for r in result:
    print(r)
```

```
[-4, -4]
[1, 3]
```

```
In [11]: a = [[2,3],
              [4,5],
              [8,1]]

result = [[0,0,0],
          [0,0,0]]

for i in range(len(a)):#range(2)== 0,1
    for j in range(len(a[0])):#range(2) == 0,1
        result[j][i] = a[i][j]

for r in result:
    print(r)
```

```
[2, 4, 8]
[3, 5, 1]
```

```
In [ ]:
```