

	c=1	2	3	4	5
r=1	1	1	1	1	1
r=2	2	2	2	2	2
r=3	3	3	3	3	3
r=4	4	4	4	4	4
r=5	5	5	5	5	5

```
for r in range(1,6): # 1 2 3 4 5
    for c in range(1,6): # 1 2 3 4 5
        print(r,end=' ')
    print()
```

	1	2	3	4	5
r=5	5	5	5	5	5
r=4	4	4	4	4	4
r=3	3	3	3	3	3
r=2	2	2	2	2	2
r=1	1	1	1	1	1

```
for r in range(5,0,-1): # 5 4 3 2 1
    for c in range(1,6):
        print(r,end=' ')
    print()
```

r=1	1				
r=2	2	2			
r=3	3	3	3		
r=4	4	4	4	4	
r=5	5	5	5	5	5

```
for r in range(1,6): # 1 2 3 4 5
    for c in range(1,r+1): # 1 2 3 4 5
        print(r,end=' ')
    print()
```

	1				k=6
r=1	1	1	1	1	1
r=2	2	2	2	2	
r=3	3	3	3		
r=4	4	4			
r=4	5				

```
k=6
for r in range(1,6): # 1 2 3 4 5
    for c in range(1,k): # 1 2 3 4 5
        print(r,end=' ')
    print()
    k=k-1
```

	1	2	3	4	5
5	1	2	3	4	5
4	1	2	3	4	
3	1	2	3		
2	1	2			
1	1				

```
for r in range(5,0,-1): # 5 4 3 2 1
    for c in range(1,r+1):
        print(c,end=' ')
    print()
```

1	1				
2	1	2			
3	1	2	3		
4	1	2	3	4	
5	1	2	3	4	5

```
for r in range(1,6):
    for c in range(1,r+1):
        print(c,end=' ')
    print()
```

	1	2	3	4	5
1	1	2	3	4	5
2		2	3	4	5
3			3	4	5
4				4	5
5					5

```
for r in range(1,6): # 1 2 3 4 5
    for c in range(1,6): # 1 2 3 4 5
        if c>=r:
            print(c,end=' ')
        else:
            print(' ',end=' ')
    print()
```

	5	4	3	2	1
1					1
2				2	1
3			3	2	1
4		4	3	2	1
5	5	4	3	2	1

```
for r in range(1,6):
    for c in range(5,0,-1):
        if c<=r:
            print(c,end=' ')
        else:
            print(' ',end=' ')
    print()
```

	65	66	67	68	69
65	A				
66	A	B			
67	A	B	C		
68	A	B	C	D	
69	A	B	C	D	E

```
for r in range(65,70):
    for c in range(65,r+1):
        print(chr(c),end=' ')
    print()
```

```

      *
     *
    *
   *
  *
 *

```

```

 * * * * *
  * * * *
   * * *
    * *
     *

```

```
spaces=4
for r in range(1,6):
    for s in range(spaces):
        print(" ",end="")
    for c in range(1,r+1):
        print("*",end=' ')
    spaces=spaces-1
    print()
```

```
spaces=0
for r in range(5,0,-1):
    for s in range(spaces):
        print(" ",end="")
    for c in range(1,r+1):
        print("*",end=' ')
    print()
    spaces=spaces+1
```

1				
2	3			
4	5	6		
7	8	9	10	
11	12	13	14	15

1				
1	0			
1	0	1		
1	0	1	0	
1	0	1	0	1