x=-y or x+y=0   x=y or x-y=0

y

x

0 1 2 4 5 6 7 8 9

0 1 2 3 4 5 6 7 8 9

miro

```python
001.first.py > ...
1    n = int(input("Enter base number: "))
2
3
4    for i in range(0, n+1):
5        for j in range(0, n+1):
6            print(' * ', end='')
7        print()
8
```

```
Enter base number: 10
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
   *    *    *    *    *    *    *    *    *    *    *
```

```python
n = int(input("Enter base number: "))


for i in range(0, n+1):
    for j in range(0, n+1):
        if i+j == n or i == j:
            print(' * ', end='')
        else:
            print('    ', end='')
    print()

print('==========================================')

for i in range(0, n+1):
    for j in range(0, n+1):
        if i+j >= n:
            print(' * ', end='')
        else:
            print('    ', end='')
    print()

print('==========================================')
for i in range(0, n+1):
    for j in range(0, n+1):
        if i+j <= n:
            print(' * ', end='')
        else:
            print('    ', end='')
    print()
```

```
Enter base number: 10
  *                                               *
      *                                       *
         *                                 *
            *                        *
               *              *
                  *
               *           *
            *                    *
         *                          *
      *                                *
   *                                       *
====================================================================
                                      *
                                   *     *
                              *     *     *
                           *     *     *     *
                        *     *     *     *     *
                     *     *     *     *     *     *
                  *     *     *     *     *     *     *
               *     *     *     *     *     *     *     *
            *     *     *     *     *     *     *     *     *
         *     *     *     *     *     *     *     *     *     *
      *     *     *     *     *     *     *     *     *     *     *
====================================================================
   *     *     *     *     *     *     *     *     *     *     *
   *     *     *     *     *     *     *     *     *     *
   *     *     *     *     *     *     *     *     *
   *     *     *     *     *     *     *     *
   *     *     *     *     *     *     *
   *     *     *     *     *     *
   *     *     *     *     *
   *     *     *     *
   *     *     *
   *     *
   *
```

```python
n = int(input("Enter base number: "))
# n = 10

for i in range(0, n+1):
    for j in range(0, n+1):
        if j-i >= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n==========================j-i >= n/2==========================\n')

for i in range(0, n+1):
    for j in range(0, n+1):
        if j-i <= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n==========================j-i <= n/2==========================\n')

for i in range(0, n+1):
    for j in range(0, n+1):
        if i-j <= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n==========================i-j <= n/2==========================\n')

for i in range(0, n+1):
    for j in range(0, n+1):
        if i-j >= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n========================== i-j >= n/2==========================\n')
```

```python
for i in range(0, n+1):
    for j in range(0, n+1):
        if i+j >= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n===========================i+j >= n/2===========================\n')

for i in range(0, n+1):
    for j in range(0, n+1):
        if i+j <= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n===========================i+j <= n/2===========================\n')

for i in range(0, n+1):
    for j in range(0, n+1):
        if i+j >= n+n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n===========================i+j >= n+n/2===========================\n')

for i in range(0, n+1):
    for j in range(0, n+1):
        if i+j <= n+n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()

print('\n===========================i+j <= n+n/2===========================\n')
```

```python
for i in range(0, n+1):
    for j in range(0, n+1):
        if j-i >= n/2 or i+j >= n+n/2 or i+j <= n/2 or i-j >= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()
print('\n========================= j-i >= n/2 or i+j >= n+n/2 or i+j <= n/2 or i-j >= n/2==============================\n')


#
for i in range(0, n+1):
    for j in range(0, n+1):
        if j-i <= n/2 and i+j <= n+n/2 and i+j >= n/2 and i-j <= n/2:
            print(' * ', end='')
        else:
            print('   ', end='')
    print()
print('\n=========================j-i <= n/2 and i+j <= n+n/2 and i+j >= n/2 and i-j <= n/2:============================\n')
```

```
Enter base number: 10
                    *   *   *   *   *   *
                      *   *   *   *   *
                        *   *   *   *
                          *   *   *
                            *   *
                              *




============================j-i >= n/2============================

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

============================j-i <= n/2============================

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

============================i-j <= n/2============================




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

======================== i-j >= n/2============================
```

```
              *   *   *   *   *   *
          *   *   *   *   *   *   *
      *   *   *   *   *   *   *   *
    *   *   *   *   *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *
*   *   *   *   *   *   *   *   *   *   *
*   *   *   *   *   *   *   *   *   *   *
*   *   *   *   *   *   *   *   *   *   *
*   *   *   *   *   *   *   *   *   *   *
*   *   *   *   *   *   *   *   *   *   *
*   *   *   *   *   *   *   *   *   *   *
===========================i+j >= n/2============================

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




===========================i+j <= n/2============================




                          *
                      *   *
                  *   *   *
              *   *   *   *
          *   *   *   *   *
      *   *   *   *   *   *
===========================i+j >= n+n/2===========================

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

===========================i+j <= n+n/2===========================
```

```
  *   *   *   *   *   *   *   *   *   *   *
  *   *   *   *   *       *   *   *   *   *
  *   *   *   *               *   *   *   *
  *   *   *                       *   *   *
  *   *                               *   *
  *                                       *
  *   *                               *   *
  *   *   *                       *   *   *
  *   *   *   *               *   *   *   *
  *   *   *   *   *       *   *   *   *   *
  *   *   *   *   *   *   *   *   *   *   *

========================= j-i >= n/2 or i+j >= n+n/2 or i+j <= n/2 or i-j >= n/2================================

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

=========================j-i <= n/2 and i+j <= n+n/2 and i+j >= n/2 and i-j <= n/2:===============================
```