

Floyd's Triangle

Your task is to write a short program that takes in input a positive number N and gives in output the Floyd's Triangle.

Floyd's Triangle is a right triangle with natural numbers, writing numbers in the triangle's rows with consecutive numbers, starting from 1 in the top-left side.

For example with N = 5, Floyd's Triangle is:

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

Input

The first line contains a number N.

Output

The output contains N rows that figures the Floyd's Triangle

Sample input

Sample output

3	1 2 3 4 5 6
10	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50 51 52 53 54 55
5	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15