Coding Area

ONLINE EDITOR (D)

Pattern Printing

+ Problem Description

Decode the logic and print the Pattern that corresponds to given input.

If N= 3

then pattern will be :

10203010011012

**4050809

****607

If N= 4

then pattern will be:

1020304017018019020

**50607014015016

****809012013

******10011

+ Constraints

2 <= N <= 100

+ Input Format

Single Integer N

+ Output

The pattern

+ Test Case

+ Explanation

Example 1

Input

3

Output

10203010011012

**4050809

****607

Example 2

Input

4

Output

1020304017018019020

**50607014015016

****809012013

******10011