Telerik Academy

PROBLEMS   SUBMISSIONS   USERS   CONTESTS   ABOUT   HELLO, **YAVORYANKOV83**.

✅ RecursionPath05 - Triangle

Java May'19 DSA Recursion 1 - 2 days 14:17:24

We have triangle made of blocks. The topmost row has 1 block, the next row down has 2 blocks, the next row has 3 blocks, and so on. Compute recursively (no loops or multiplication) the total number of blocks in such a triangle with the given number of rows.

Input

On the first line you will be given the number of rows.

Output

On the only output line you should print the total number of blocks.

Sample tests

Input

0	Copy

Output

0	Copy

Input

Submit solution

My submissions
All submissions
Best submissions

✔ **Points:** 100 (partial)
🕐 **Time limit:** 0.5s
▤ **Memory limit:** 64M
✎ **Author:**
    stelyan

🏷 **Tags**
Recursion
⤒ **Difficulty**
Easy

Output

1	Copy

Input

3	Copy

Output

6	Copy

❓ Clarifications

No clarifications have been made at this time.

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