

RATING EDU API CALENDAR HELP ICPC CHALLENGE HOME TOP CATALOG CONTESTS GYM GROUPS PROBLEMSET

PROBLEMS SUBMIT CODE MY SUBMISSIONS STATUS STANDINGS CUSTOM INVOCATION

G. Candies

time limit per test: 0.5 seconds memory limit per test: 256 megabytes input: standard input output: standard output

Nour has n candies, he wants to distribute all n candies to the children.



What's the maximum number of children who can get candies if Nour gives each child a distinct number of candies.

Input

The only line of input contains an integer n, $(1 \le n \le 10^{18})$ – the amount of candies that Nour has.

Output

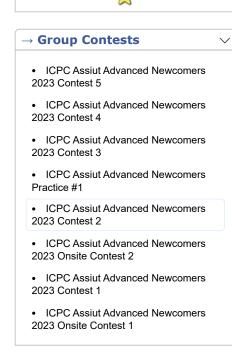
Print m – the maximum number of children which can get candies.

Examples input

3

15	
output	Сору
5	
input	Сору
7	
output	Сору

ICPC Assiut Advanced Newcomers 2023 **Private Participant**





→ Virtual participation

Copy

Virtual contest is a way to take part in past contest, as close as possible to participation on time. It is supported only ICPC mode for virtual contests. If you've seen these problems, a virtual contest is not for you solve these problems in the archive. If you just want to solve some problem from a contest, a virtual contest is not for you solve this problem in the archive. Never use someone else's code, read the tutorials or communicate with other person during a virtual contest.

Start virtual contest

→ Submit?

Language: GNU G++20 11.2.0 (64 bit, w ✔