# **Maximum Distinct Numbers**

Input file: standard input
Output file: standard output

Time limit: 1 second Memory limit: 256 megabytes

Given a number N. Print the maximum number of distinct numbers that their summation is less than or equal to N.

### Input

Only one line contains a number N ( $1 \le N \le 10^{18}$ ).

## Output

Print the required answer above.

## **Examples**

standard input	standard output
15	5
8	3

#### Note

In the first example:

1+2+3+4+5 equal 15 which is  $\leq N$ .

In the second example:

1+2+3 equal 6 which is  $\leq N$ .