

# Problem C. Comma

**Time limit** 2000 ms

**Mem limit** 1048576 kB

## Problem Statement

When Takahashi writes an integer, he uses a comma every third digit from the right. For example, 1234567 is written as **1,234,567**, and 777 is written as **777**.

How many commas will be used in total when he writes each integer from 1 through  $N$  once?

## Constraints

- $1 \leq N \leq 10^{15}$
- $N$  is an integer.

## Input

Input is given from Standard Input in the following format:

$N$

## Output

Print the total number of commas.

## Sample 1

Input	Output
1010	11

No comma is used in writing 999 or smaller numbers. One comma is used in writing each of the numbers from 1000 through 1010.

Thus, 11 commas are used in total.

**Sample 2**

Input	Output
27182818284590	107730272137364