B. Vanya and Books

time limit per test
1 second
memory limit per test
256 megabytes
input
standard input
output
standard output

Vanya got an important task — he should enumerate books in the library and label each book with its number. Each of the n books should be assigned with a number from 1 to n. Naturally, distinct books should be assigned distinct numbers.

Vanya wants to know how many digits he will have to write down as he labels the books.

Input

The first line contains integer n ($1 \leq n \leq 10^9$) — the number of books in the library.

Output

Print the number of digits needed to number all the books.

Examples

input

Copy

13

output

Copy

17

input

Copy

4

output

Copy

4

Note

Note to the first test. The books get numbers $1, 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13$, which totals to 17digits.

Note to the second sample. The books get numbers $1, 2, 3, 4$, which totals to 4 digits.