Problem J. 3.14

Time limit 2000 ms **Mem limit** 1048576 kB

Problem Statement

The number pi to the 100-th decimal place is

3.1415926535897932384626433832795028841971693993751058209749445923078164062862089986280348253421170679.

You are given an integer N between 1 and 100, inclusive.

Print the value of pi to the N-th decimal place.

More precisely, truncate the value of pi to N decimal places and print the result without removing the trailing 0 s.

Constraints

- $1 \le N \le 100$
- *N* is an integer.

Input

The input is given from Standard Input in the following format:

N

Output

Print the value of pi to the N-th decimal place in a single line.

Sample 1

Input	Output
2	3.14

Truncating the value of pi to 2 decimal places results in 3.14. Thus, you should print 3.14.

Sample 2

Input	Output
32	3.14159265358979323846264338327950

Do not remove the trailing 0 s.

Sample 3

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Input	Output
100	3.14159265358979323846264338327950288419716939937510582 09749445923078164062862089986280348253421170679