

E. Dome

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

Input

The input contains a single floating-point number x with exactly 6 decimal places ($0 < x < 5$).

Output

Output two integers separated by a single space. Each integer should be between 1 and 10, inclusive. If several solutions exist, output any of them. Solution will exist for all tests.

Examples

input
1.200000
output
3 2

input
2.572479
output
10 3

input
4.024922
output
9 9