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The Big Problem

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Timelimit: 1

Choosing randomly two integers A and B between 1 and N inclusive, what is the chance that the number B is less than or equal to the remainder of N divided by A?

For example, for N = 5, there are 25 possible choices for (A, B), but the only pairs that satisfy the condition are (2,1), (3,1), (3,2) and (4,1). Therefore, for N = 5 the probability is 4/25.

Input

The input consists of several test cases. Each test case consists of a line containing an integer **N** ($1 \leq N \leq 10^8$).

Output

For each test, the output consists of a line containing the irreducible fraction that answers the given question.

Sample Input	Sample Output
1	0 / 1
2	0 / 1
3	1 / 9
4	1 / 16
5	4 / 25
6	1 / 12
7	8 / 49
8	1 / 8

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