BUBT INTRA-UNIVERSITY PROGRAMMING CONTEST SPRING 2017 (DIVISION 1)

Finished

THE CONTEST HAS ENDED.

H. Count the Divisors

Score: 1

CPU: 2s
Memory: 512MB

You are given a positive integer number N. You have to find out the number of divisors of N. An integer number D is a divisor of N if, D divides N evenly without any remainder (e.g. 1, 2, 3, 6 are the divisors of 6).

INPUT

The first line of input contains an integer T ($1 \leq T \leq 100$), denoting the number of test cases. Each case consists of a positive integer N ($1 \leq N \leq 10^{12}$).

OUTPUT

For output print the case number first. Then print the number of divisors of N.

Sample

Input	Output
2 6 12	Case 1: 4 Case 2: 6

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