

Factors

Jojo is given a number by his teacher. His teacher ask him to count the number of factors that number has. Since he is a lazy person, he doesn't want to do it. Help him by making a program to count the number of factors that number has.

Format Input

The first line is an integer T which shows the number of test cases. For each test case, there will be 1 line consisting of an integer N that his teacher gave him.

Format Output

For each test case, output 1 line in the form of "Case #X: Y". X is the number of test cases starting at 1, and Y is the number of factors that number has.

Constraints

- $1 \le T \le 100$
- $1 \le N \le 10^9$

Sample Input 1 (standard input)

1 2 12

Sample Output 1 (standard output)

Case #1: 2 Case #2: 6

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Jojo diberi sebuah angka oleh gurunya. Gurunya menyuruhnya untuk menghitung banyaknya faktor yang dimiliki oleh angka tersebut. Karena ia adalah seorang pemalas, ia tidak mau melakukannya. Bantu ia dengan cara membuat program untuk menghitung banyaknya faktor yang dimiliki oleh angka tersebut.

Format Input

Baris pertama adalah sebuah bilangan bulat T yang menyatakan banyak kasus uji. Untuk setiap kasus uji, akan ada 1 baris yang terdiri dari 1 bilangan bulat N yang diberikan oleh gurunya.

Format Output

Untuk setiap kasus uji, output 1 baris dengan format "Case #X: Y". X adalah nomor kasus uji mulai dari 1, dan Y adalah banyaknya faktor yang dimiliki angka tersebut.

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Sample Output 1 (standard output)

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