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## Factorization

P94107\_en

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Write a program to print the list of prime factors of every given natural number.

### Input

Input is a sequence of natural numbers greater than 1.

### Output

For each natural number of the input, print its prime factors in increasing order and following the format of the example.

#### Sample input

18  
15  
19  
64  
83276

#### Sample output

18 = 2\*3\*3  
15 = 3\*5  
19 = 19  
64 = 2\*2\*2\*2\*2\*2  
83276 = 2\*2\*109\*191

### Problem information

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Generation : 2023-07-14 18:28:02

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