Problem 1

Prime Factorization

Prime factorization, or prime decomposition, is the expression of a positive integer as a product of prime numbers.

For example:
        24 = 2 * 2 * 2 * 3
        348 = 2 * 2 * 3 * 29

Write a program that will find the prime factorization of a positive integer.

The input file (**DATA11.txt** for the first submission and **DATA12.txt** for the second submission) will contain five lines of data. Each line will contain a positive integer n, 2 <= n <= 2000000000.

The output file (**OUT11.txt** for the first submission and **OUT12.txt** for the second submission) will contain five lines of data, corresponding to the input file. It will contain the prime factorization of n. Each prime factor will be separated by an asterisk.

Sample Input (Only three lines given)	**Sample Output**
24	2*2*2*3
348	2*2*3*29
124985	5*7*3571