1059. Prime Factors (25)

时间限制

100 ms

内存限制

65536 kB

代码长度限制

16000 B

判题程序

Standard

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Given any positive integer N, you are supposed to find all of its prime factors, and write them in the format N = p1^k1 \* p2^k2 \*…\*pm^km.

**Input Specification:**

Each input file contains one test case which gives a positive integer N in the range of long int.

**Output Specification:**

Factor N in the format N = p1^k1 \* p2^k2 \*…\*pm^km, where pi's are prime factors of N in increasing order, and the exponent ki is the number of pi -- hence when there is only one pi, ki is 1 and must NOT be printed out.

**Sample Input:**

97532468

**Sample Output:**

97532468=2^2\*11\*17\*101\*1291

[提交代码](https://www.patest.cn/contests/pat-a-practise/1059)