

Online Judge

F.A.Q Hand In Hand Online Acmers Forum | Discuss Statistical Charts

Online Exercise

Problem Archive
Realtime Judge Status
Authors Ranklist

Search

Online Teaching

C/C++/Java Exams
ACM Steps
Go to Job
Contest LiveCast
ICPC@China

Online Contests

Best Coder beta
VIP | STD Contests
Virtual Contests
DIY | Web-DIY beta
Recent Contests

Exercise Author

SHawnHardy
Mail 0(0)

Control Panel
Sign Out

Least Common Multiple

Time Limit: 2000/1000 MS (Java/Others) Memory Limit: 65536/32768 K (Java/Others)
Total Submission(s): 45033 Accepted Submission(s): 16923

Problem Description

The least common multiple (LCM) of a set of positive integers is the smallest positive integer which is divisible by all the numbers in the set. For example, the LCM of 5, 7 and 15 is 105.

Input

Input will consist of multiple problem instances. The first line of the input will contain a single integer indicating the number of problem instances. Each instance will consist of a single line of the form m n1 n2 n3 ... nm where m is the number of integers in the set and n1 ... nm are the integers. All integers will be positive and lie within the range of a 32-bit integer.

Output

For each problem instance, output a single line containing the corresponding LCM. All results will lie in the range of a 32-bit integer.

Sample Input

2 3 5 7 15 6 4 10296 936 1287 792 1

Sample Output

105 10296

Source

East Central North America 2003, Practice

Recommend

JGShining | We have carefully selected several similar problems for you: 1021 1061 1049 1108 1020

Statistic | Submit | Discuss | Note

Hangzhou Dianzi University Online Judge 3.0
Copyright © 2005-2016 HDU ACM Team. All Rights Reserved.
Designer & Developer: Wang Rongtao LinLe GaoJie GanLu
Total 0.000000(s) query 5, Server time: 2016-06-13 15:56:05, Gzip enabled

Administration