Numără numerele

locked

Problem Submissions Leaderboard Discussions

Given K prime numbers and T queries of form Ai, Bi, for each query print the number of integers between Ai and Bi (both inclusive) that are divisible by atleast one of the K given primes.

Input Format

First line: K and T.

Second line: K primes.

Next T lines, each contain Ai, Bi.

Constraints

1 ≤ K ≤ 10

1 ≤ T ≤ 100

1 ≤ A ≤ B ≤ 10^9

Each prime ≤ 10^7

Output Format

Print T lines, denoting the answer to each of the T queries.

Sample Input 0

```
2 1
2 3
1 10
```

Sample Output 0

```
7
```

Explanation 0

2,3,4,6,8,9,10 are the 7 numbers.

Submissions: 36
Max Score: 100

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Current Buffer (saved locally, editable) C

```
1 #include <stdio.h>
2 #include <string.h>
```