

DMOPC '15 Contest 5 P1 - Gel Bananas

Time limit: 1.0s **Memory limit:** 64M

Okabe and Kurisu are experimenting on bananas. Okabe starts a new experiment every A days, and Kurisu starts a new experiment every B days. Today, on day 1, Okabe and Kurisu both start an experiment. How many times will Okabe and Kurisu start their experiments together in X days?

Input Specification

The first, second and third lines of input will contain A , B ($1 \leq A, B \leq 10^9$), and X ($1 \leq X \leq 10^{18}$), respectively.

Output Specification

Output a single integer, the number of times that Okabe and Kurisu start their experiments together.

Sample Input

```
2
3
10
```

Sample Output

```
2
```

Explanation

Okabe will start his experiments on days 1, 3, 5, 7, 9 and Kurisu will start her experiments on days 1, 4, 7, 10. They start their experiments together on days 1 and 7.