

# AlphaBit Coding Challenge

## Problem 4: Multiples

### Statement

Given X, Y and N, find the sum S of all the multiples of X and all the multiples of Y who are less than or equal to N.

**Note:** Count the common multiples only once.

**Note:** We guarantee that  $S < 2^{63}$ .

### Input

The 1st line contains the integers X and Y.

The 2nd line contains the integer N.

### Output

Print the sum S

### Example

Input	Output
3 4 15	57