



STUDENT REPORT

DETAILS

Name

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Roll Number

3BR23CD087

EXPERIMENT

Title

GENERATED NUMBERS

Description

You have a jar which initially contains N marbles. You can perform the below operations in any order:

1. Taking out A number of marbles from the jar.
2. Taking out B number of marbles from the jar.

Your task is to find and return an integer value, representing the total number of unique positive number of marbles that can be left behind by performing these operations, including the initial number of marbles.

Note:

You can perform the above operations any number of times and in any order keeping in mind that the jar should never become empty.

Input Specification:

A single line containing space separated integers N,A,B

Sample Input:

10 3 5

Sample Output:

6

Source Code:

```
n,a,b=list(map(int,input().split()))
res=set()

for i in range(n//a+1):
    for j in range(n//b+1):
        val=n-(i*a)-(j*b)
        if val>0:
            res.add(val)
print(len(res))
```

RESULT

3BK

0087

23CL

3BK
3BR

0087
0087

23CL
23CL

3BR
3P