

FizzBuzz

Time Limit: 1 second

Memory Limit: 1024 MB

Problem Statement

FizzBuzz is a classic problem used to test simple syntax!

It's very simple! Count from 1 to N , but for each multiple of A say "Fizz", for each multiple of B say "Buzz" and for multiples of both A and B say "FizzBuzz"! Perform this task correctly, AND YOUR FAMILY WILL NOT BE HARMED.

Input Format

The only line of input contains three integers, N , A and B .

Output Format

There should be N lines of output. On line i (1-indexed), you should print "Fizz" if i is divisible by A , "Buzz" if it is divisible by B , "FizzBuzz" if it is divisible by both and the integer i if it is divisible by neither. Do not print the quotes.

Limits

For all test cases, $1 \leq A, B \leq N \leq 100000$.

Subtask 1 (35 points): $A = 3, B = 5, N = 100$

Subtask 2 (65 points): No further constraints.

Subtask 3 (0 points): Sample test cases

Sample Input 1

```
10 2 3
```

Sample Output 1

```
1
Fizz
Buzz
Fizz
5
FizzBuzz
7
Fizz
Buzz
Fizz
```

Explanation

- 1, 5 and 7 are not divisible by either 2 or 3, so we print the integers.
- 2, 4, 8 and 10 are divisible by 2 but not 3, so we print “Fizz”.
- 3 and 9 are divisible by 3 but not 2, so we print “Buzz”.
- 6 is divisible by both 2 and 3, so we print “FizzBuzz”.