



Fizzbuzz

Write a program that prints the numbers from 1 to N on separate lines. But for multiples of three print “Fizz” instead of the number and for the multiples of five print “Buzz”. For numbers which are multiples of both three and five print “FizzBuzz”.

Input

The number N .

Output

The N lines as described above.

Limits

$1 \leq N \leq 1000$

Samples

Input	Output
15	1 2 Fizz 4 Buzz Fizz 7 8 Fizz Buzz 11 Fizz 13 14 FizzBuzz