

E: FizzBuzz

According to Wikipedia, FizzBuzz is a group word game for children to teach them about division. This may or may not be true, but this exercise is often used to torture screen young computer science graduates during programming interviews. Basically, this is how it works: you print the integers from 1 to N , replacing any of them divisible by X with *Fizz* or, if they are divisible by Y , with *Buzz*. If the number is divisible by both X and Y , you print *FizzBuzz* instead. Check the samples for further clarification.

Input

There may be multiple cases to display. Each test case will contain three integers on a single line: X , Y and N ($1 \leq X < Y \leq N \leq 100$). The last case is followed by a line containing 0 0 0.

Output

For each case, display the case number followed by the solution, formatted as in the sample. Print integers from 1 to N in order, each on its own line, replacing the ones divisible by X with *Fizz*, the ones divisible by Y with *Buzz* and ones divisible by both X and Y with *FizzBuzz*.

Sample Input

```
2 3 7
0 0 0
```

Sample Output

```
Case 1:
1
Fizz
Buzz
Fizz
5
FizzBuzz
7
```
