

[CS 11] Prac 0h – FizzBuzz II: Electric Boogaloo

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Points: 100 (partial)

Time limit: 4.0s

Memory limit: 1G

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Problem type

Allowed languages

NONE, py3

Problem Statement

FizzBuzz has traditionally been the programming task of choice by many companies to weed out applicants who know absolutely no programming at all. Unfortunately, it has become so widely known that many clueless programmers are bypassing the task by simply *memorizing* the code for it!

Because of this, Geegle Inc. has devised a new version of FizzBuzz, which they imaginatively named FizzBuzz II: Electric Boogaloo. As part of this task, a programmer has to write a function with three inputs: a positive integer n , and two digits xx and yy . The function must return n , except in the following cases:

- if n 's first digit is a xx , in which case the return value must be "Fizz".
- if n 's last digit is a yy , in which case the return value must be "Buzz".
- if both conditions above are true, in which case the return value must be "FizzBuzz".

Task Details

Your task is to implement a function called `fizzbuzz_val`. This function has has three parameters `n`, `x` and `y` in that order, all `ints`, whose meanings are described in the problem statement. The function must return the value specified in the

problem statement.

Example Calls

Example 1 Function Call

Copy

```
fizzbuzz_val(123456, 3, 5)
```

Example 1 Return Value

Copy

```
123456
```

Example 2 Function Call

Copy

```
fizzbuzz_val(3456, 3, 5)
```

Example 2 Return Value

Copy

```
"Fizz"
```

Example 3 Function Call

Copy

```
fizzbuzz_val(12345, 3, 5)
```

Example 3 Return Value

Copy

```
"Buzz"
```

Example 4 Function Call

Copy

```
fizzbuzz_val(345, 3, 5)
```

Example 4 Return Value

Copy

```
"FizzBuzz"
```

Constraints

When the program is run:

- The function `fizzbuzz_val` will be called at most 500500 times.
- $1 \leq n < 102001 \leq n < 10^{200}$.
- $0 \leq x \leq 90 \leq x \leq 9$.
- $0 \leq y \leq 90 \leq y \leq 9$.

Scoring

You get 100100 ❤️ points if you solve all test cases correctly.

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Clarifications

No clarifications have been made at this time.