

# FizzBuzz Happy 2013

Having cleared the ACM ICPC online round you receive a job offer of teaching JAVA programming to High School Students of Byteland. You gladly take the job offer and after a few days of teaching you give the students a program to write. You ask them to write a [FIZZBUZZ](#) program. They are either too smart or too lazy. They argue that it is too difficult and challenge you to do better than that without using any english alphabets. You consult senior programmer [Mitch](#) who suggests you a way out of the problem. "Do it in BF," he says. [Tjandra](#) suggests you do it in Whitespace.

## Input

Two space separated one digit integers A and B. Then a newline. Then a string C of maximum length 5 followed by a newline. Then another string D of max length 5 followed by a newline. It is guaranteed that  $\gcd(A,B) < A$  and  $\gcd(A,B) < B$ . Also the strings comprise only alphanumeric characters

## Output

For all numbers in the set [1,99] print C if the number is divisible by A, print D if divisible by B, print C concat D if divisible by both and the number (with preceding zeroes if required) if it is divisible by neither A nor B.

## Example

### Input:

2 3

Happy

2013

### Output:

01

Happy

2013

Happy

05

Happy2013

07

.....and you get the idea

**Wishing all of you a HAPPY NEW YEAR 2013.....:)**

**Edit: 05-01-2013**

I am giving you all a link to mostafa\_36a2's solution. You would be pleased....

[Download the encrypted text solution](#)