GFSSOC '15 Fall J2 - Fizz Fuzz

Time limit: 2.0s **Memory limit:** 16M

While doing homework for computer science class, you stumble across an interesting problem asking you to simulate the popular game Fizz Fuzz. The rules for Fizz Fuzz are as follows: Simultaneously keep track of two numbers, both starting from 1, the first number increasing by one each round, the other number increasing by two each round. Every time you reach a number that is divisible by 7, output `Fizz`. Every time you reach a number divisible by 13, output `Fuzz`. If the number is divisible by both 13 and 7, instead of outputting `Fizz` or `Fuzz`, output `Fizz Fuzz` (the output might get confusing!). Otherwise, output the number. Can you simulate this game for N rounds?

Input Specification

The first and only line of input has one integer, N.

Output Specification

You should output N lines. the i^{th} line should correspond with the i^{th} round. That is, output the two numbers (or strings) space separated.

Constraints

$1 \leq N \leq 1\,000$

Sample Input

```
9
```

Sample Output

```
1 1
2 3
3 5
4 Fizz
5 9
6 11
Fizz Fuzz
8 15
9 17
```

Note: As a further example, if the 2 numbers happen to be 91 and 91, you need to print `Fizz Fuzz Fizz Fuzz`.