Fizz-Buzz

Fizz buzz is a group word game for children to teach them about division. Players take turns to count incrementally, replacing any number divisible by three with the word "fizz", and any number divisible by five with the word "buzz".

Players generally sit in a circle. The player designated to go first says the number "1", and the players thenceforth count upwards in turn. However, any number divisible by three is replaced by the word fizz and any number divisible by five by the word buzz. Numbers divisible by 15 become fizz buzz. A player who hesitates or makes a mistake is eliminated from the game.

For example, a typical round of fizz buzz would start as follows:

1, 2, Fizz, 4, Buzz, Fizz, 7, 8, Fizz, Buzz, 11, Fizz, 13, 14, Fizz Buzz, 16, 17, Fizz, 19, Buzz, Fizz, 22, 23, Fizz, Buzz, 26, Fizz, 28, 29, Fizz Buzz, 31, 32, Fizz, 34, Buzz, Fizz, …

Basic

Writing a program to output the first 100 FizzBuzz

Advanced

It's the same as the basic problem but the conditions are taken as an input. For example, the game can have 3 conditions if divisible by 4-Fizz, 5-Buzz, and 11-Plop.

Input Format

Line one the number of conditions, N
Space-separated values of the conditions C_1, C_2,... C_N
Space-separated values of the words W_1, W_2,... W_N

Example

3
3 5 7
Fizz Buzz Plop