

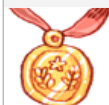


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MY SOLUTION

BOOK SUGGESTION

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Easy Fibonacci

Adapted by Neilor Tonin, URI Brazil

Timelimit: 1

The following sequence of numbers 0 1 1 2 3 5 8 13 21 ... is known as the Fibonacci Sequence. Thereafter, each number after the first 2 is equal to the sum of the previous two numbers. Write an algorithm that reads an integer N ($N < 46$) and that print the first N numbers of this sequence.

Input

The input file contains an integer number N ($0 < N < 46$).

Output

The numbers should be printed on the same line, separated by a blank space. There is no space after the last number.

Thanks to Cássio F.

Input Sample	Output Sample
5	0 1 1 2 3