A function that calculates a Fibonacci number (recurrent)

Cost: 3 | Solved: 97

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

You are given a natural number **n** – an index of a Fibonacci number. Write a function that will count the Fibonacci number according to its index.

Fibonacci numbers are the elements of such a sequence where the first and the second numbers are 0 and 1 and the next ones are a sum of the previous two.

Input:

Contains a natural **n** (**n** ≤ 46) **–** an index of a Fibonacci number.

Output:

A Fibonacci number corresponding to the index **n**.

Example:

Input	Output
4	2
6	5