

Fibonacci Member

Given a number N, figure out if it is a member of fibonacci series or not. Return true if the number is member of fibonacci series else false.

Fibonacci Series is defined by the recurrence

$$F(n) = F(n-1) + F(n-2)$$

where $F(0) = 0$ and $F(1) = 1$

Input Format :

Integer N

Output Format :

true or false

Constraints :

$$0 \leq n \leq 10^4$$

Sample Input 1 :

5

Sample Output 1 :

true

Sample Input 2 :

14

Sample Output 2 :

false