TECHNICAL HUB

Home / **Owl ground** / Fibonacci or Not   Points: **20**   Submissions: **3077**

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Description

Fibonacci or Not

Program Description

Find weather the given number is present in Fibnacci series or not.
The Fibonacci sequence specifies a series of numbers where the next number is found by adding up the two numbers just before it.

Input Format

A single line input contains an integer N.

Output Format

Print the output according to the discription.

Constraints

$1<=N<=10^4$

Explaination

Fibnacci series : 0,1,1,2,3,5

0+1=1 --> 1+1=2 --> 1+2=3 --> 2+3=5

Input-1

5

Output-1

True

Input-2

10

Output-2

C - GCC 11.1.0 ▾   ⏱ Timer   0:08 sec   🌙 ↻ ⛶

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```c
1    #include<stdio.h>
2    int main()
3    {
4        int a=0,b=1,c,n;
5        scanf("%d",&n);
6        while(c<n)
7        {
8            c=a+b;
9            a=b;
10           b=c;
11       }
12       if(c==n) printf("True");
13       else printf("False");
14       return 0;
15   }
```

</> Run Code

Compiler Response

#	Testcase	Input	Expected Output	Your Output	Memory	CPU time	Result
1	5	5	True	True	1408 KB	3.496 ms	Pass
2	10	10	False	False	1408 KB	2.546 ms	Pass

All hidden testcases passed

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