IsFibonacci

ZPRAC-16-17-Lab9

The Fibonacci series is a well known series and the pattern is often observed in various natural phenomenon. The series goes like this 0,1,1,2,3,5,8....

Write a program to find whether the given number k is a member of the series or not. You can assume that k lies in the series if it is one of the first 20 terms.
The Fibonacci function should be defined recursively.

Input Format:

The first line of input is a number t which indicates the number of test cases. Then, t lines follow where each line contains the number k.

Output Format:

For every test case, output *yes* if the given number k is a member of the series, otherwise *no*