#include <iostream>

#include <string>

#include <algorithm>

using namespace std;

int Fib(int n) {

if (n <= 1)

return n;

int a = 0, b = 1, c = 1;

int wynik = 1;

while (c < n)

{

c = a + b;

wynik++;

a = b;

b = c;

}

return wynik;

}

int main()

{

int x = 10;

cout << "Liczba fibonacciego w tym indexie to: "<< Fib(x) <<"\n";

return 0;

}