Hi, RODRIGO JESUS SANTISTEBAN PACHARI
rsantisteban@unsa.edu.pe

beecrowd

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ANSWERS
What does this mean?

SOURCE CODE

EDIT & SUBMIT

VISUALIZE THE SOURCE CODE OF YOUR SUBMISSION, PLUS SOME EXTRA DETAILS.

SUBMISSION # 25459460

PROBLEM:	1701 - Fibos's Sequence
ANSWER:	**Time limit exceeded**
LANGUAGE:	C++17 (g++ 7.3.0, -std=c++17 -O2 -lm) [+0s]
RUNTIME:	2.000s
FILE SIZE:	1.71 KB
MEMORY:	-
SUBMISSION:	10/28/21, 5:29:56 AM

SOURCE CODE

```
1  //https://www.beecrowd.com.br/judge/en/problems/view/1701
2  #include <bits/stdc++.h>
3
4  using namespace std;
5
6  long long int fibonacciIterativo(long long int n1, long long int n2, int N, long long int mod){
7
8      vector<long long int> aux1;
9      vector<long long int> aux2;
10
11     long long int actual=1, siguiente=1, tmp=0;
12
13     if(n1==1){
14         aux1.push_back(1);
15     }
16     else if(n1==0){
17         aux1.push_back(0);
18         if(N>1)
19             aux1.push_back(1);
20     }
```

```
        aux2.push_back(1);
    }
    else if(n2==0){
        aux2.push_back(0);
        if(N>1)
            aux2.push_back(1);
    }


    for(long long int i=1; i<n1+N-1; i++){

        if(actual >= mod || siguiente >= mod){
          actual = actual%mod;
          siguiente = siguiente%mod;
        }

        tmp = actual;
        actual = siguiente;
        siguiente = siguiente + tmp;

        if(i>n1-2){
            aux1.push_back(actual);
        }
    }

    actual=1; siguiente=1; tmp=0;
    for(long long int i=1; i<n2+N-1; i++){

        if(actual >= mod || siguiente >= mod){
          actual = actual%mod;
          siguiente = siguiente%mod;
        }

        tmp = actual;
        actual = siguiente;
        siguiente = siguiente + tmp;

        if(actual >= mod || siguiente >= mod){
          actual = actual%mod;
          siguiente = siguiente%mod;
        }


        if(i>n2-2){
            aux2.push_back(actual);
        }
    }
```

```
72      for(int i=0; i<aux1.size(); i++){
73          sum+=(aux1[i]*aux2[i]);
74          if(sum >= mod){
75              sum = sum %  mod;
76          }
77      }
78
79      return sum;
80  }
81
82  int main(){
83
84      long long int A,B,N;
85
86      do{
87          cin>>A; cin>>B; cin>>N;
88
89          if((A==0 && B==0 && N==0)){
90              break;
91          }
92          cout<<fibonacciIterativo(A,B,N, 1000000007)<<endl;
93
94
95      }while(!(A==0 && B==0 && N==0));
96
97
98      return 0;
99  }
```