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SET: ODD

```
#include<iostream>
#include<bits/stdc++.h>
#include<unordered_set>
#include<unordered_map>
using namespace std;

#define ll          long long int
#define llmin      -1e18
#define ff         first
#define ss         second
#define pb         push_back
#define vi         vector<int>
#define take(a,n)   vector<int> a; for(int i=0;i<n;i++){int aa;
cin>>aa; a.pb(aa);}
#define vll        vector<ll>
#define full(a)     (a.begin(),a.end())
#define vc         vector<char>
#define iz(n)       int n; cin>>n;
#define iz2(n,m)    int n,m; cin>>n>>m;
#define mii        map<int,int>
#define setbits(x)  __builtin_popcountll(x)
#define zerobits(x) __builtin_ctzll(x) //zeros before first 1
#define com        int t; cin>>t; while(t--)
#define forn(n)     for(int i=0;i<n;i++)
#define fo(x,y)     for(int i=x;i<y;i++)

int main(){
```

```
ios_base::sync_with_stdio(false);
cin.tie(NULL);
```

```
// #ifndef ONLINE_JUDGE
// freopen("input.txt", "r", stdin);
// freopen("output.txt", "w", stdout);
// #endif
```

```
vector<int> aa;
```

```
aa.pb(0);
```

```
// int level=1;
```

```
for (int i = 0; i < 10000; i++)
```

```
{
```

```
    // if(i==level){
```

```
    // aa.pb(-1);
```

```
    // level=level*level;
```

```
    // }
```

```
    if(aa[i]==0){
```

```
        aa.pb(0);
```

```
        aa.pb(1);
```

```
    }
```

```
    else{
```

```
        aa.pb(1);
```

```
        aa.pb(0);
```

```
    }
```

```
}
```

```
com{
```

```
    int a,b;
```

```
    cin>>a>>b;
```

```
    if(a==1){
```

```
        cout<<0<<endl;
        continue;
    }
    int pos=1;
    pos=pow(2,(a-1))-1;
    // int res;
    cout<<aa[pos+b-1]<<endl;

}

return 0;
}
```

All Contests > CA2_CSE330_ODD > 0-1 Tree 1

0-1 Tree 1

Problem	Submissions	Leaderboard
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Status: **Wrong Answer**

✓ Test Case #0	✗ Test Case #1	✗ Test Case #2
✗ Test Case #3	✓ Test Case #4	

Submitted Code

```
Language: C++14
1 #include<iostream>
2 #include<bits/stdc++.h>
3 #include<unordered_set>
4 #include<unordered_map>
5 using namespace std;
6
7 #define ll long long int
8 #define llmin -1e18
9 #define ff first
10 #define ss second
11 #define nb nush back
```

Question 2:

```

import math
import os
import random
import re
import sys

# Complete the fibonacciModified function below.
n1, n2, n = map(int, input().split())
seq = [n1, n2]
if n <= 2:
    print(seq[n-1])
else:
    for i in range(n-2):
        seq.append(seq[-2] + seq[-1]**2)
    print(seq[-1])

```

hackerrank.com/contests/ca2-cse330-odd/challenges/fibonacci-modified/submissions/code/1327390012

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Fibonacci Modified

Problem Submissions Leaderboard

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✓ Test Case #0	✓ Test Case #1	✓ Test Case #2
✓ Test Case #3	✓ Test Case #4	✓ Test Case #5
✓ Test Case #6	✓ Test Case #7	✓ Test Case #8
✓ Test Case #9		

Submitted Code

Language: Python 3 [Open in editor](#)

```

1 #!/bin/python3
2
3 import math
4 import os
5 import random

```