



Maintenance works on Round 739. Don't be surprised. Please, read [the post](#).



General

#	Author	Problem	Lang	Verdict	Time	Memory	Sent	Judged		
123007132	Virtual: TheKing003KS 	1550A - 5	GNU C++14	Accepted	31 ms	3652 KB	2021-07- 19 13:39:34	2021-07- 19 13:39:34		Compare

→ Source

[Copy](#)

```
#include<iostream>
#include<limits.h>
#include<math.h>
#include<vector>
#include<string>
#include<queue>
#include<stack>
#include<set>
#include<map>
#include<unordered_set>
#include<unordered_map>
#include<algorithm>
using namespace std;

#define ll long long
#define ull unsigned long long
#define modulo 1000000007
#define mp make_pair
#define pb push_back

int main()
{
```

```
ll int tests;
cin >> tests;
while(tests--)
{
    int sum;
    cin >> sum;
    if(sum == 1) {cout << 1 << "\n"; continue;}

    int temp = 1;
    int size = 0;
    //unordered_set<int> st {};
    while(sum > 0)
    {
        if(temp <= sum)
        {
            //st.insert(temp);
            sum -= temp;
            size++;
            temp += 2;
        }
        else
        {
            sum = 0;
            size++;
        }
    }
    cout << size;

    cout << "\n";
}

return 0;
}

// ll int n;
// cin >> n;
// vector<ll int> arr(n);
// for(auto i = 0; i < n; i++) {cin >> arr[i];}

// for(auto i = 0; i < n; i++) {cout << arr[i] << " " ;}

// sort(begin(arr),end(arr));
```

1**Time:** 0 ms, **memory:** 3648 KB**Verdict:** OK**Input**4
1

8
7
42

Participant's output

1
3
3
7

Jury's answer

1
3
3
7

Checker comment

ok 4 number(s): "1 3 3 7"

2

Time: 15 ms, **memory:** 3640 KB

Verdict: OK

Input

5000
5000
4999
4998
4997
4996
4995
4994
4993
4992
4991
4990
4989
4988
4987
4986
4985
4984
4983
4982
4981
4980
4979
4978
4977
4976
4975
4974

4973
4972
4971
4970
4969
4968
4967
4966
4965
4964
4963
4962
4961
4960
4959
4958
4957
4956
4955
4954
4953
4952
4951
4950
4949
4948
4947
4946
4945
4944
4943
4942
4941
4940
4939
4938
4937
4936
4935
4934
4933
4932
4931
4930
4929
4928
4927
4926
4925
4924
4923
4922

[illegible]

6/24

[illegible]

8/24

[illegible]

Checker comment
ok 5000 numbers

Time: 31 ms, **memory:** 3652 KB

Input

<https://codeforces.com/contest/1550/submission/123007132>

Participant's output
71
71
71

<https://codeforces.com/contest/1550/submission/123007132>

13/24

[illegible]

[illegible]

Checker comment
ok 5000 numbers

[illegible]

71
71
71
71
71
71
71
71
71
71
71
71
71

19/24

[illegible]

Jury's answer

[illegible]

22/24

Checker comment
ok 5000 numbers



ITMO UNIVERSITY