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|--|--|-----------------------------------|
|  <b>Marwadi</b><br>University | <b>Marwadi University</b><br><b>Faculty of Technology</b><br><b>Department of Information and Communication Technology</b> |                                   |
| <b>Sem : 6</b>   | <b>Name : Pushti Depani</b>  |                                   |
| <b>Day : 127</b>   | <b>Date : 21/02/2023</b>   | <b>Enrollment No: 92000133018</b> |

CP Club 365 Days Challenge

**Programming language – Any language**

## **Problem Statement**

<https://www.codechef.com/viewsolution/90169854>


<https://www.codechef.com/problems/SPLITN?tab=statement>

<https://github.com/Pushti18/CP-Club-100-onwards->

### **Your Code:**

```
#include <iostream>
using namespace std;

int main() {
    // your code goes here
    int t, n;
    cin >> t;
    while(t--)
    {
        int n;
        cin>>n;
        int a=0;
        while(n!=0)
        {
            if(n%2)
                a++;
            n/=2;
        }
    }
}
```

|  |  |                                   |
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```

        cout<<a-1<<endl;
    }
    return 0;
}

```

### Output (Screen Shot):

| <b>Status:</b> <span style="color: green;">✓</span> Correct Answer |        | <b>Submission ID:</b> <a href="#">90169753</a> |
|--|--------|--|
| <b>Time:</b><br>0.01s  |        |  |
| Sub-Task   | Task # | Result (time)                                  |
| 1  | 0      | AC<br>(0.004282)                               |
| 1  | 1      | AC<br>(0.006035)                               |
| <b>Subtask Score: 100.00%</b>                                      |        | <b>Result - AC</b>                             |
|  |        | <b>Total Score = 100.00%</b>                   |

### Understanding about problem:

In this problem the task will only work if there is an odd number. N should not be equal to zero and if that is satisfied then we will increment the count till N is decreased to half. N which ne easily split will not get increased. And at last we will do  $c - 1$  because at last we will get 1.

**Note:** If you can't understand the problem, feel free to contact us and we'll help you. Please don't copy and paste from anywhere.

**ALL THE BEST**

Team CP Club