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Binary Bats   🔒 locked

H   by jadaytime

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Submitted 6 days ago • Score: 30.00   Status: **Accepted**

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Submitted Code

Language: Java 8   ⑂ Fork into a snippet   ⑂ Open in editor

```java
1  import java.io.*;
2  import java.util.*;
3
4  public class Solution {
5
6      static ArrayList<Integer> getDivisors(int n)
7      {
8          ArrayList<Integer> divisors = new ArrayList<>();
9          for (int i=1; i<=Math.sqrt(n); i++)
10         {
11             if (n%i==0)
12             {
13                 if (n/i == i)
14                     divisors.add(i);
15                 else {
16                     divisors.add(i);
17                     divisors.add(n/i);
18                 }
19             }
20         }
21         return divisors;
22     }
23
24     public static void main(String[] args) {
25         Scanner keyboard = new Scanner(System.in);
```

```java
26        String input = keyboard.nextLine();
27        int [] arr = new int [input.length()];
28        arr[0] = Integer.parseInt(input.charAt(0) + "");
29        arr[1] = Integer.parseInt(input.charAt(1) + "");
30        int bats = arr[1] == 1 ? 1 : 0;
31        for(int i = 2; i < input.length(); i++){
32            int expected = Integer.parseInt(input.charAt(i) + "");
33            int sum = 0;
34            for(int divisor : getDivisors(i)){
35                    sum = (sum + arr[divisor]) % 2;
36            }
37            if(expected == sum){
38                arr[i] = 0;
39            } else {
40                arr[i] = 1;
41                bats ++;
42            }
43        }
44        System.out.println(bats);
45
46    }
47 }
```