The RIAX Game

Problem   Submissions

Gru got some numbers with him to the dance club to watch his daughters perform. The numbers were N while he got them to the club, the numbers are gru's numbers so the disintegrate into two equal halves every second, if the number is odd, it breaks into two equal parts and leaves one "RIAX" everytime it breaks. i.e. 5 will break into 2,2 and 1 riax They stop breaking once they're 0 and they vanish Say that the dance is suffienctly long enough so that all numbers break off and vanish You look at the riaxs that lie with you now, can you count them knowing the initial numbers?

NOTE : If a number breaks into two numbers, one of those numbers will disappear unless it is one. For example : 2 breaks into 1 and 1 giving two RIAX. 5 breaks into 2,2 giving 1 RIAX. However, one 2 will disappear and only one 2 will remain.

Input Format

First line contains N , the number of Numbers Gru took to the party. Next line contains N integers ai the numbers

Constraints

Solved: 716
Attempted: 722

$1 <= N <= 10^5$

$1 <= ai <= 10^5$

Output Format

Print a single integer ,the riaxs collected
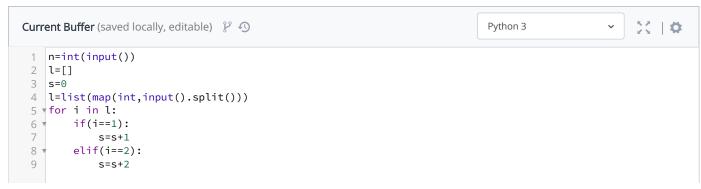
Sample Input 0

```
6
1 2 3 1 2 3
```

Sample Output 0

```
12
```

◄

Contest ends in 1 day 6 hours 29 minutes 30 seconds

Submissions: 687
Max Score: 50

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```
1  n=int(input())
2  l=[]
3  s=0
4  l=list(map(int,input().split()))
5  for i in l:
6      if(i==1):
7          s=s+1
8      elif(i==2):
9          s=s+2
```

```
10 ▾     elif(i%2==0 and i%4==0 and i%3!=0):
11           s=s+2
12 ▾     elif(i%3==0 or i%5==0):
13           s=s+3
14 ▾     else:
15           s=s+4
16  print(s)
17
18
19
```

Line: 19 Col: 1

⬆ Upload Code as File   ☐ Test against custom input

Run Code   Submit Code