Ross keeps track of how many dinosaurs he sees each day. He considers the day lucky, if the number of dinosaurs is divisible by 3. For example, a day is lucky if he sees 6, 33, or 15 dinosaurs, but unlucky if he sees 8 or 100. Given his records for the last n days, can you tell on how many days he was lucky?

Input

The first line of the input contains n $(1 \leq n \leq 100)$ – the number of days. The second line contains n integers $d_1, d_2, ..., d_n$ $(0 \leq d_i \leq 1000)$ – the number of dinosaurs Ross sees, for each day.

Output

Your program should print a single number, which is the number of days when Ross was lucky.

Example

input

```
7
8 3 6 13 0 27 2
```

output

```
4
```

Note

Explanation: there are 4 days when Ross is lucky, the days when he sees 3, 6, 0, 27 dinosaurs, since these numbers are divisible by 3.