

# Srinjoy in his Prime



Srinjoy is treated by  $a_i$  chocolates every  $n$  days because he does so well at academics. Things you need to know about Srinjoy are that he is crazy about Mathematics and he is very conscious about his physique. So he decides to keep stocking up the chocolates he gets and eats the entire lot when the number of chocolates is a prime number. But he cannot figure out whether this is helping him or not. He needs your help to find out how many chocolates he has had at the end of  $n$  days?

## Input Format

The first line contains the integer  $n$ , the number of days.

The second line contains  $n$  integers,  $a_i$  being the number of chocolates given to Srinjoy at a given day  $i$ .

## Constraints

$$1000 \leq N \leq 10000$$

$$1 \leq A_i \leq 20$$

## Output Format

The output is a single integer, denoting the number of chocolates eaten by Srinjoy after  $n$  days

## Sample Input 0

```
5
6 14 6 11 4
```

## Sample Output 0

```
37
```

## Sample Input 1

```
5
10 10 2 9 12
```

## Sample Output 1

```
31
```