<C∗deVita/>

The TCS Global Coding Contest

TATA CONSULTANCY SERVICES

CodeVita Sample Questions

A	**B**	**C**	**D**	**E**	**F**	**G**

Codu and Sum Love

Given N number of x's, perform logic equivalent of the above Java code and print the output

✛ Problem Description

```
Scanner sc = new Scanner(System.in);

long sum = 0;

int N = sc.nextInt();

for (int i = 0; i < N; i++) {

final long x = sc.nextLong(); // read input

String str = Long.toString((long) Math.pow(1 << 1, x));

str = str.length() > 2 ? str.substring(str.length() - 2) : str;

sum += Integer.parseInt(str);

}

System.out.println(sum%100);
```

Given N number of x's, perform logic equivalent of the above Java code and print the output

✛ Input

First line contains an integer N

Second line will contain N numbers delimited by space

✛ Output

Number that is the output of the given code by taking inputs as specified above

✛ Constraints

$1 <= N <= 10^7$

$0 <= x <= 10^{18}$

✛ Complexity

Simple

＋ Time Limit

1

＋ Examples

Example 1

Input
4
8 6 7 4
Output
64

Example 2

Input

3

1 2 3

Output

14

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