



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

$1 \leq N \leq 10^7$

$0 \leq x \leq 10^{18}$

+ 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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