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A Very Big Sum ☆

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Problem

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Calculate and print the sum of the elements in an array, keeping in mind that some of those integers may be quite large.

Function Description

Complete the `aVeryBigSum` function in the editor below. It must return the sum of all array elements.

`aVeryBigSum` has the following parameter(s):

- `ar`: an array of integers .

Input Format

The first line of the input consists of an integer n .

The next line contains n space-separated integers contained in the array.

Output Format

Print the integer sum of the elements in the array.

Constraints

$$1 \leq n \leq 10$$

$$0 \leq ar[i] \leq 10^{10}$$

Sample Input

```
5
1000000001 1000000002 1000000003 1000000004 1000000005
```

Output

```
5000000015
```

Note:

The range of the 32-bit integer is (-2^{31}) to $(2^{31} - 1)$ or $[-2147483648, 2147483647]$.

When we add several integer values, the resulting sum might exceed the above range. You might need to use long long int in C/C++ or long data type in Java to store such sums.

Author

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Difficulty

Easy

Max Score

10

Submitted By

1093150

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```
1 import java.io.*;
2 import java.math.*;
3 import java.security.*;
4 import java.text.*;
5 import java.util.*;
6 import java.util.concurrent.*;
7 import java.util.regex.*;
```

