

## Odd-Even Sum

On the first term of his college, Jojo had a course about discrete mathematics. After the first meeting of discrete mathematics, Jojo got a homework to do some simple calculations. Jojo was given X, Y, and a list A containing N integers  $A_1, A_2, \ldots, A_N$ . Jojo was asked to multiply every odd number with X and every even number with Y, and then calculate the sum of all of it. Formally written as the following:

$$sum = \sum_{i=1}^{n} f(A_i)$$

$$f(A_i) = \begin{cases} A_i \cdot X & A_i \text{ is odd} \\ A_i \cdot Y & A_i \text{ is even} \end{cases}$$

#### Format Input

The input consists of two lines. The first line consists of three integers N, X, and Y. The second line contains N integers denoting the content of the given list.

## Format Output

Output a number sum, the sum of the list after multiplication.

#### Constraints

- $1 \le N \le 100$
- $\bullet \ 1 \leq X,Y \leq 10^5$
- $1 \le A_i \le 10^9$

## Sample Input 1 (standard input)

5 1 2 1 2 3 4 5

## Sample Output 1 (standard output)

21

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## Sample Input 2 (standard input)

8 100 1 10 8 11 32 27 1 25 19

## Sample Output 2 (standard output)

8350



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Dalam menjalani semester pertama perkuliahan, Jojo mendapatkan mata kuliah matematika diskrit. Setelah pertemuan pertama pelajaran matematika diskrit, Jojo mendapatkan PR untuk melakukan perhitungan sederhana. Jojo diberikan X, Y, dan sebuah daftar A berisikan N angka  $A_1, A_2, \ldots, A_N$ . Jojo diminta untuk mengalikan setiap angka ganjil dengan X dan setiap angka genap dengan Y, kemudian menghitung jumlah semuanya. Secara formal dituliskan sebagai berikut:

$$sum = \sum_{i=1}^{n} f(A_i)$$

$$f(A_i) = \begin{cases} A_i \cdot X & A_i \text{ ganjil} \\ A_i \cdot Y & A_i \text{ genap} \end{cases}$$

## Format Input

Input terdiri dari dua baris. Baris pertama terdiri dari tiga bilangan bulat N, X, dan Y. Baris kedua berisi N buah bilangan bulat menandakan isi daftar yang diberikan.

## Format Output

Output satu angka sum, jumlah dari daftar setelah perkalian.

#### Constraints

- $1 \le N \le 100$
- $1 \le X, Y \le 10^5$
- $1 \le A_i \le 10^9$

## Sample Input 1 (standard input)

5 1 2 1 2 3 4 5

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## Sample Output 1 (standard output)

21

### Sample Input 2 (standard input)

8 100 1 10 8 11 32 27 1 25 19

# Sample Output 2 (standard output)

8350

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