Problem J
Modulo

Time Limit: 1 seconds
Memory Limit: 512 Megabytes

Problem description

In computing, the modulo operation (%) returns the remainder or signed remainder of a division, after one number is divided by another.

For example: 11 % 3 = 2 because of 11 ÷ 3 = 3 remain 2.

Anh gives you unknown number of non-negative integers. You are requested to compute the sum of all odd results modulo operation between n_j % n_k.

Where j = 1… k – 1of these above non-negative integer series.

Input

Line 1: k which is the number of non-negative integers will be input (k < 1000)

Line 2: n1 n2 n3 … nk where nj (j=1...k) is a non-negative integer number

Output

the sum of all odd results of modulo operation between nj % nk where j=1...k-1 of these above non-negative int series.

Example:

Input	Output
5 5 10 33 47 4	5

Explain:

5 % 4 = 1 => odd (include in sum)
10 % 4 = 2 => even (exclude in sum)
33 % 4 = 1 => odd (include in sum)
47 % 4 = 3 => odd (include in sum)
So sum of all odd results = 1 + 1 + 3 = 5

Look back the scoreboard, are you on the TOP alone?