

Even or Odd

Your task is to write a short program that takes in input M numbers and returns two outputs:
E the total of even numbers, U the total of uneven numbers

Input

The first line contains a number N that is the expected numbers to take in input.
The second line contains all the N numbers divided by space " " of the array A.

Output

The output contains E and U divided by space.

Sample input

Sample output

3 2 3 4 5 6	2 1
6 1 2 3 4 2 2 3 4 5 2	4 2
5 2 4 6 8 10	5 0