Write even elements first, then write odd

Cost: 2 | Solved: 165

Memory limit: 256 MBs

Time limit: 1 s

Input: input.txt

Output: output.txt

Task:

You are given a sequence of numbers. Write its even elements first, then write odd, saving their order.

Input:

Contains a natural **n** – the amount of numbers in a sequence, then **n** numbers – elements of a sequence.

Output:

The even elements first, then the odd ones.

Example:

Input	Output
5 1 5 2 5 3	2 1 5 5 3
1 1	1