

Problem Description

You need to implement a function called `alternatingSum(a)` that takes a list of numbers as input and returns the alternating sum of the list. The alternating sum means that the first number is added, the second is subtracted, the third is added, the fourth is subtracted, and so on. The signs alternate between positive and negative as you move through the list.

Example

For example, if the input list is `[5, 3, 8, 4]`, the alternating sum would be calculated as follows:

$$5 - 3 + 8 - 4 = 6$$

So, `alternatingSum([5, 3, 8, 4])` should return 6.

Input Format

5
3
8
4

Output Format

6