

```

# -*- coding: utf-8 -*-
import re

list_numbers = []

sum = 0
sum_count = 0

i = 1
while True:
    print("0000000 00000:", end=' ')
    string = re.sub(r'^0-9\-', '', input())
    if len(string) == 0:
        print("0 000000 00 0000000000 00000")
        continue

    number = int(string)
    list_numbers.append(number)

    if i % 2 != 0:
        number *= -1
    else:
        number *= number

    sum += number
    i += 1
    if list_numbers[len(list_numbers) - 1] < 0:
        break

print("00000:", sum)
print("0000000000 000000000:", i)

```