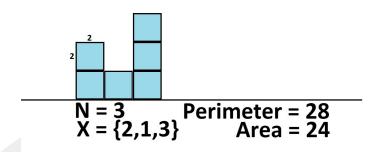


#### Ice

Jojo is playing with ice cubes. He puts some ice cube sized  $2 \times 2 \times 2$  on a table. He wanted to make N stacks adjecent to each other stacks with  $X_i$  cubes for the  $i^{th}$  stack. Jojo is curious how much is the perimeter and area of the stacks given Jojo is looking at the stacks from the front in 2-dimentional form. Help Jojo calculate the perimeter and the area.



## Format Input

The input will consist of several lines of input in "testdata.in" file. First consists of T, the number of test cases. For each testcase consists of integer N, the number of stacks. The next line consists of the N integer, the number  $X_i$  for the  $i^{th}$  stack.

# Format Output

Output should be expressed in format "Case #X:  $Y_1$   $Y_2$ " - X is the number of the test case, and followed by  $Y_1$  and  $Y_2$  - The perimeter and the area of the test case.

#### Constraints

- $1 \le T \le 100$
- $1 \le N \le 100$
- $1 \le X_i \le 100$

# Sample Input (testdata.in)

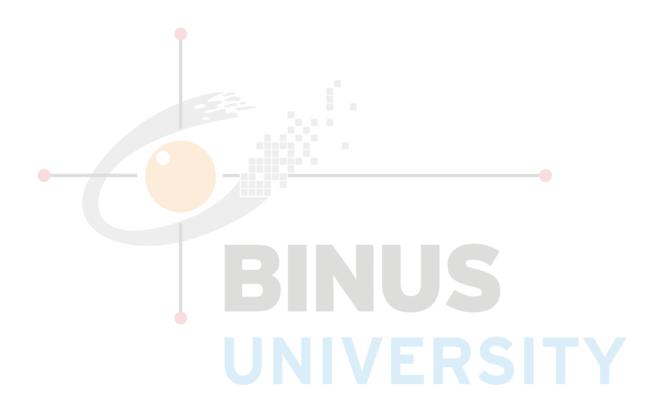
<sup>©</sup> School of Computer Science - BINUS, 2019. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. For those who violated this disclaimer, academic sanctioned can be enforced.



1 3 2 1 3

### Sample Output (standard output)

Case #1: 28 24

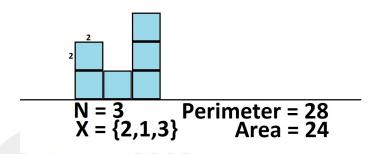


<sup>©</sup> School of Computer Science - BINUS, 2019. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. For those who violated this disclaimer, academic sanctioned can be enforced.



#### **Ice**

Jojo sedang bermain dengan balok es. Ia meletakkan sejumlah balok es berukuran  $2 \times 2 \times 2$  pada sebuah meja. Ia ingin membuat N buah tumpukan bersebelahan dengan  $X_i$  buah balok disusun pada tumpukan ke i. Jojo sangat penasaran berapa keliling dan luas dari tumpukan tersebut saat dilihat dari sisi depan pada bentuk 2 dimensi. Bantulah Jojo menghitung keliling dan luasnya.



### Format Input

Input terdiri dari beberapa baris dalam file "testdata.in". Pada baris pertama terdapat T, jumlah  $test\ case$ . Untuk setiap  $test\ case$ , terdapat angka bulat N, jumlah tumpukan yang akan dibuat. Baris berikutnya terdapat N buah angka bulat  $X_i$  yang menyatakan jumlah balok es pada tumpukan ke i.

# Format Output

Output yang dikeluarkan dalam format "Case #X:  $Y_1$   $Y_2$ " - X merupakan nomor testcase dan akan diikuti oleh  $Y_1$  dan  $Y_2$  - keliling dan luas hasil dari setiap test case.

#### Constraints

- 1 < T < 100
- $1 \le N \le 100$
- $1 \le X_i \le 100$

<sup>©</sup> School of Computer Science - BINUS, 2019. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. For those who violated this disclaimer, academic sanctioned can be enforced.

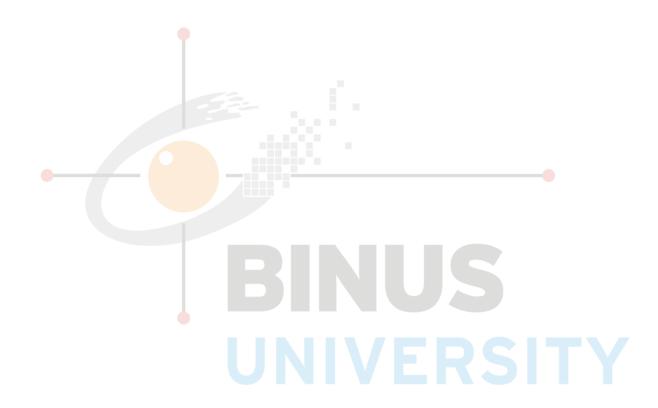


## Sample Input (testdata.in)

1 3 2 1 3

## Sample Output (standard output)

Case #1: 28 24



<sup>©</sup> School of Computer Science - BINUS, 2019. No part of the materials available may be copied, photocopied, reproduced, translated, or reduced to any electronic medium or machine-readable form, in whole or in part, without prior written consent of School of Computer Science - BINUS. Any other reproduction in any form without the permission of School of Computer Science - BINUS is probihited. For those who violated this disclaimer, academic sanctioned can be enforced.