

### Sum

Bibi have an  $X \times X$  array. Each array contains an integer a, and Bibi is curious about how much is the sum of all integers in each column.

#### Format Input

The input consists of an integer T. The next T line contains X integers followed by an  $X \times X$  array. Each array contains integers a.

### Format Output

The output contains "Case #T:" followed by X integers separated by spaces that indicate the sum of all the numbers in the i-th column.

### Constraints

- $1 \le T \le 100$
- $1 \le X \le 100$
- $1 \le a \le 10^7$

# Sample Input 1 (standard input)

```
2
3
1 2 3
4 5 6
7 8 9
5
1 2 3 4 5
6 7 8 9 10
11 12 13 14 15
16 17 18 19 20
21 22 23 24 25
```

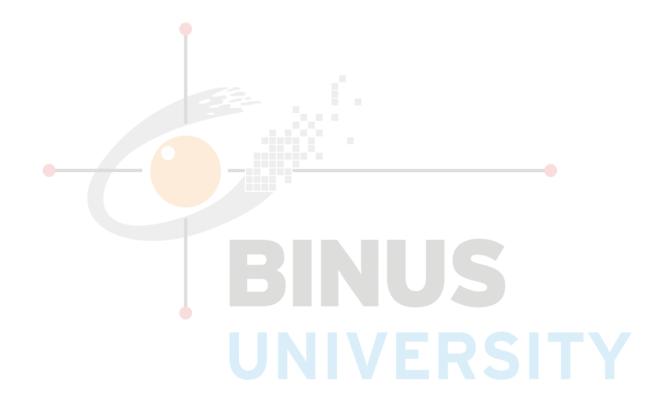
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## Sample Output 1 (standard output)

Case #1: 12 15 18

Case #2: 55 60 65 70 75



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Bibi memiliki sebuah array berukuran  $X \times X$ . Setiap array berisi sebuah bilangan a, dan Bibi penasaran berapa jumlah semua bilangan bulat setiap kolom yang ada.

### Format Input

Input terdiri dari sebuah bilangan bulat T. T baris berikutnya berisi bilangan bulat X diikuti dengan sebuah array berukuran  $X \times X$ . Setiap array berisi bilangan bulat a.

### Format Output

Output berisi "Case #T: " diikuti oleh X bilangan bulat dipisahkan oleh spasi yang menunjukkan jumlah seluruh bilangan pada kolom ke-i.

#### **Constraints**

- $1 \le T \le 100$
- $1 \le X \le 100$
- $1 \le a \le 10^7$

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```
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3
1 2 3
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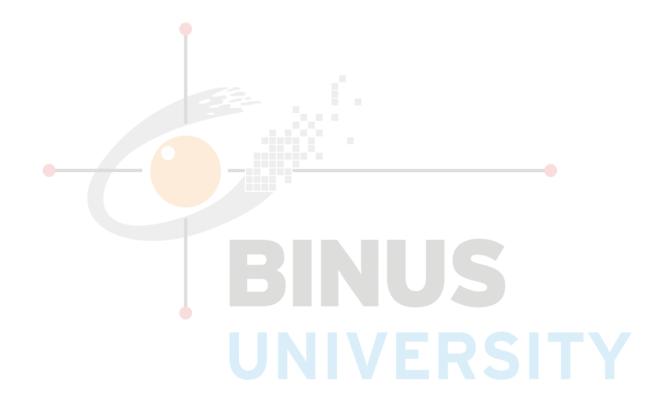
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