

Maximum

Lili is a greedy girl. She has N box, each box contains a coin. She want to get as many coin values as possible, but she must only choose 2 boxes. However, she is bad at mathematics and asked you to help her determine what is the correct answer.

Format Input

Input starts with an integer T, describing the number of test cases. Each test case starts with an integer N, the number of boxes that Lili has. The next line will contain N numbers V_i , describing value of the coin in the i-th box.

Format Output

For each test case, output a single line consisting of "Case #X: Y" where X is the test case number and Y is the maximum value Lili can get by choosing exactly 2 boxes.

Constraints

- $1 \le T \le 5$
- $2 \le N \le 100,000$
- \bullet -1,000,000 $\leq V_i \leq 1,000,000$

Sample Input (standard input)

```
3
5
1 2 3 4 5
4
4 4 4 4
3
10 1 2
```

Sample Output (standard output)

```
Case #1: 9
Case #2: 8
Case #3: 12
```

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Maximum

Lili adalah seorang gadis yang serakah. Ia memiliki N kotak, masing-masing kotak berisi sebuah koin dengan angka yang menyatakan nilainya. Ia ingin mengambil koin dengan jumlah nilai sebesar-besarnya, namun dia hanya bisa memilih 2 kotak dari yang sudah tersedia. Akan tetapi, dia tidak begitu mengerti matematika dan ia meminta bantuan anda untuk mencari jawabannya.

Format Input

Baris pertama berisi sebuah bilangan bulat T, jumlah kasus uji. Setiap kasus uji dimulai dengan bilangat bulat N, jumlah kotak yang dimiliki oleh Lili. Baris berikutnya berisi N angka V_i , yang menyatakan nilai koin pada pada kotak ke-i.

Format Output

Setiap kasus uji dimulai dengan "Case # X: Y" di mana X adalah nomor kasus uji dan Y adalah jumlah nilai maksimum yang bisa didapatkan Lili dengan memilih tepat 2 kotak.

Constraints

- 1 < T < 5
- $2 \le N \le 100,000$
- \bullet -1,000,000 $\leq V_i \leq 1,000,000$

Sample Input (standard input)

```
3
5
1 2 3 4 5
4
4 4 4 4
3
10 1 2
```

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Sample Output (standard output)

Case #1: 9
Case #2: 8
Case #3: 12

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