

Problem statement[Send feedback](#)

You are given an array "ARR" of size N. Your task is to find out the sum of maximum and minimum elements in the array.

Follow Up:

Can you do the above task in a minimum number of comparisons?

Detailed explanation (Input/output format, Notes, Images)

Constraints:

$1 \leq T \leq 10$

$1 \leq N \leq 10^5$

$-10^9 \leq \text{ARR}[i] \leq 10^9$

Time limit: 1 second

Sample Input 1:

```
2
7
1 2 4 5 6 6 6
6
-1 -4 5 8 9 3
```

Sample Output 1:

```
7
5
```

Explanation For Sample Input 1:

For the first test case, the maximum element in the array is 6 and the minimum element in the array is 1.

For the second test case, the maximum element in the array is 9 and the minimum element in the array is -4.

Sample Input 2:

```
2
5
3 3 3 3 3
1
-1
```

Sample Output 2:

```
6
-2
```