

## Max distance between same elements

Submissions: 10175 (/problem\_submissions.php?pid=700402) Accuracy: 50.34% Difficulty: Easy  
(<https://practice.geeksforgeeks.org/Easy/1/0/>) Marks: 2

[Show Topic Tags](#)

### Problems

Given an array with repeated elements, the task is to find the maximum distance between two occurrences of an element.

#### Input:

The first line of input will contain no of test cases  $T$  . Then  $T$  test cases follow . Each test case contains 2 lines. The first line of each test case contains an integer  $N$  denoting the number of elements in the array, the next line contains  $N$  space separated integer's.

#### Output:

For each test case in new line print the Maximum distance between two occurrences of an element

#### Constraints:

$$1 \leq T \leq 100$$

$$1 \leq N \leq 1000$$

#### Example:

##### Input

```
2
6
1 1 2 2 2 1
```

12

3 2 1 2 1 4 5 8 6 7 4 2

**Output**

5

10

**Explanation**

Test case 1:

`arr[] = {1, 1, 2, 2, 2, 1}`

Max Distance: 5

Distance for 1 is:  $5-0 = 5$ Distance for 2 is :  $4-2 = 2$ 

Max Distance 5

Test case 2:

`arr[] = {3, 2, 1, 2, 1, 4, 5, 8, 6, 7, 4, 2}`

Max Distance 10

maximum distance for 2 is  $11-1 = 10$ maximum distance for 1 is  $4-2 = 2$ maximum distance for 4 is  $10-5 = 5$ 

**Note:**The **Input/Output** format and **Example** given are used for system's internal purpose, and should be used by a user for **Expected Output** only. As it is a function problem, hence a user should not read any input from stdin/console. The task is to complete the function specified, and not to write the full code.

**\*\* For More Input/Output Examples Use 'Expected Output' option \*\***

Contributor: Amit Khandelwal

Author: harshitsidhwa (<https://auth.geeksforgeeks.org/user/harshitsidhwa/practice/>)

(/problem\_submissions.php?pid=700402)

(/problem\_submissions.php?

pid=700402&amp;isSolved=ALL&amp;lang=ALL&amp;user=Self)

My Submissions

All Submissions

Editorial (/editorial.php?pid=700402)

Monokai ▼

C++ (g++ 5.4) ▼

