Problem - C - Codeforces 15/02/24, 7:17 PM





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# C. Make Equal Again

time limit per test: 2 seconds memory limit per test: 256 megabytes input: standard input output: standard output

You have an array a of n integers.

You can **no more than once** apply the following operation: select three integers i, j, x $(1 \le i \le j \le n)$  and assign all elements of the array with indexes from i to j the value x. The price of this operation depends on the selected indices and is equal to (i - i + 1) burles.

For example, the array is equal to [1, 2, 3, 4, 5, 1]. If we choose i = 2, j = 4, x = 8, then after applying this operation, the array will be equal to [1, 8, 8, 8, 5, 1].

What is the least amount of burles you need to spend to make all the elements of the array equal?

# Input

The first line contains a single integer t ( $1 \le t \le 10^4$ ) — the number of input test cases. The descriptions of the test cases follow.

The first line of the description of each test case contains a single integer n ( $1 \le n \le 2 \cdot 10^5$ ) — the size of the array.

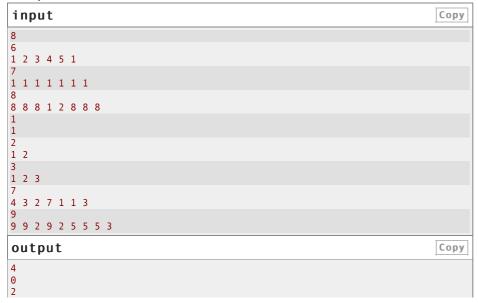
The second line of the description of each test case contains n integers  $a_1, a_2, \ldots, a_n$  $(1 \le a_i \le n)$  — array elements.

It is guaranteed that the sum of *n* for all test cases does not exceed  $2 \cdot 10^5$ .

# Output

For each test case, output one integer — the minimum number of burles that will have to be spent to make all the elements of the array equal. It can be shown that this can always be done.

#### **Example**



### Codeforces Round 925 (Div. 3)

#### **Finished**

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# ightarrow Problem tags brute force greedy math No tag edit access



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0 1 2 6 7

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