

D. Counting Elements

time limit per test: 1 second  
memory limit per test: 256 megabytes  
input: standard input  
output: standard output

You are given an array  $a$  of  $n$  integers, count the number of element  $a_i$  in the array such that  $a_i + 1$  is also exists in the array  $a$ .

If there're duplicates in  $a$ , count them separately.

Input

The first line contains an integer  $n(1 \leq n \leq 10^3)$  the number of elements in the array  $a$

The second line contains  $n$  integers  $a_i(0 \leq X_i \leq 10^3)$  the elements of the array  $a$ .

Output

output the number of elements as described above.

Examples

input	Copy
3 4 4 5	
output	Copy
2	

input	Copy
3 1 2 3	
output	Copy
2	

input	Copy
8 1 1 3 3 5 5 7 7	
output	Copy
0	

input	Copy
6 1 3 2 3 5 0	
output	Copy
3	

Assiut University Training - Newcomers

Public

Participant



About Group



Group website

Group Contests

- Sheet #10 (General Hard)
- Sheet #9 (General medium)
- Sheet #8 (General easy)
- Sheet #7 (Recursion)
- Sheet #6 (Math - Geometry)
- Sheet #5 (Functions)
- Sheet #4 (Strings)
- Contest #3.1
- Sheet #3 (Arrays)
- Contest #2
- Sheet #2 (Loops)
- Contest #1
- Sheet #1 (Data type - Conditions)

Contest #3.1

Finished

Practice



About Time Scaling

This contest uses time limits scaling policy (depending on a programming language). The system automatically adjusts time limits by the following multipliers for some languages. Despite scaling (adjustment), the time limit cannot be more than 30 seconds. Read the details by the link.