

# Sock Merchant



John's clothing store has a pile of  $n$  loose socks where each sock  $i$  is labeled with an integer,  $c_i$ , denoting its color. He wants to sell as many socks as possible, but his customers will only buy them in matching pairs. Two socks,  $i$  and  $j$ , are a single matching pair if  $c_i = c_j$ .

Given  $n$  and the color of each sock, how many pairs of socks can John sell?

## Input Format

The first line contains an integer,  $n$ , denoting the number of socks.

The second line contains  $n$  space-separated integers describing the respective values of  $c_0, c_1, c_2, \dots, c_{n-1}$ .

## Constraints

- $1 \leq n \leq 100$
- $1 \leq c_i \leq 100$

## Output Format

Print the total number of *matching pairs* of socks that John can sell.

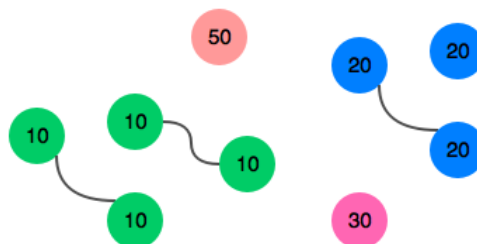
## Sample Input

```
9
10 20 20 10 10 30 50 10 20
```

## Sample Output

```
3
```

## Explanation



As you can see from the figure above, we can match three pairs of socks. Thus, we print **3** on a new line.