

Ellie works at a clothing store. He has a large pile of gloves that he must pair by color for sale. Given an array of integers representing the color of each glove, determine how many pairs of gloves with matching colors there are.

For example, there are $n = 7$ gloves with colors $ar = [1, 2, 1, 2, 1, 3, 2]$. There is one pair of color **1** and one of color **2**. There are three odd gloves left, one of each color. The number of pairs is **2**.

Function Description

Complete the gloveMerchant function in the editor below. It must return an integer representing the number of matching pairs of gloves that are available.

gloveMerchant has the following parameter(s):

- n : the number of gloves in the pile
- ar : the colors of each glove

Input Format

The first line contains an integer n , the number of gloves represented in ar .

The second line contains n space-separated integers describing the colors $ar[i]$ of the gloves in the pile.

Constraints

- $1 \leq n \leq 100$
- $1 \leq ar[i] \leq 100$ where $0 \leq i < n$

Output Format

Return the total number of matching pairs of gloves that Ellie can sell.

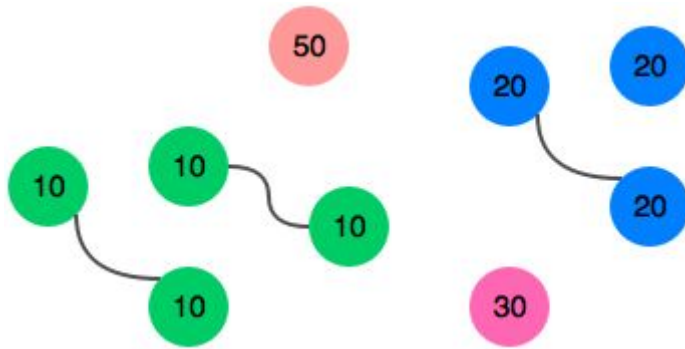
Sample Input

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

Sample Output

```
3
```

Explanation



Ellie can match three pairs of gloves.