

<https://course.acciojob.com/idle?question=4814811f-0792-4332-9444-16c563bdb5ef>

● EASY

● Max Score: 30 Points

●

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Car race

You are given an array A consisting the speeds of N cars going in the same direction. You have to find the number of pairs cars that will overtake each other.

Formally, you need to find the count of pairs i and j , such that $i < j$ and $A[i] > A[j]$.

NOTE You need to complete the given function. The input and printing of output will be handled by the driver code.

Input Format

The first line contains the number of test cases.

For each test case:

1. The first line has the value of N .
2. The next line contains N space-separated integers of array A .

Output Format

For each test case return the number of pairs.

Example 1

Input

```
1
3
1 2 3
```

Output

0

Explanation

No overtaking will take place.

Example 2:

Input

```
1
3
3 1 2
```

Output

2

Explanation

'3' will overtake '1' as well as '2'.

Constraints

```
1 <= T <= 10
1 <= N <= 10000
1<= A[i] <= 1000000
```

Topic Tags

My code

// in java

```
import java.util.*;  
import java.lang.*;  
import java.io.*;
```

```
public class Main
```

```
{
```

```
    public static void main (String[] args) throws java.lang.Exception  
    {
```

```
        //your code here
```

```
        Scanner s=new Scanner(System.in);
```

```
        int t=s.nextInt();
```

```
        for(int i=0;i<t;i++)
```

```
        {
```

```
            int n=s.nextInt();
```

```
            int arr[]=new int[n];
```

```
            int c=0;
```

```
            for(int j=0;j<n;j++)
```

```
                arr[j]=s.nextInt();
```

```
                for(int j=0;j<n-1;j++)
```

```
                {
```

```
                    for(int k=j+1;k<n;k++)
```

```
                    if(arr[k]<arr[j])
```

```
                        c++;
```

```
                }
```

```
                System.out.println(c);
```

```
            }
```

```
        }
```

```
    }
```