



Recycled Number

locked

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Problem

Submissions

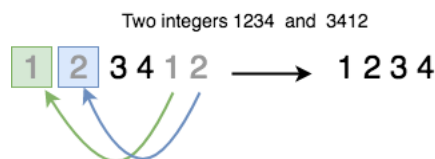
Leaderboard

Discussions

Editorial

A pair of distinct non-negative integers, is called a *recycled pair* if the first integer is smaller than the second, both have the same number of digits, and the first integer can be obtained by moving some digits from the back of the second integer to its front without changing their order.

For example,



Complete the function `uniqueRecycledPairs` which takes in an integer array and returns the number of unique recycled pairs such that both integers are present in the array.

Input Format

The first line contains a single integer n , denoting the length of the given array.

The second line contains n space-separated integers $A[0], A[1], \dots, A[n-1]$ denoting the elements of array A .

Constraints

- $0 < n \leq 10^5$
- $0 \leq A[i] \leq 10^6$

Output Format

Print a single integer denoting the number of unique recycled pairs such that both integers are present in A .

Sample Input 0

```
6
10 1 13 31 23 32
```



Sample Output 0

```
2
```

Explanation 0

There are two recycled number pairs: $(13, 31)$ and $(23, 32)$.

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```
9 using System;
10 using System.Collections.Generic;
11 using System.IO;
12 using System.Linq;
13
14 class Solution {
15
16     /*
17      * Complete the uniqueRecycledPairs function below.
18      */
19     static long uniqueRecycledPairs(int[] A) {
20         /*
21          * Return the number of unique recycled pairs present in the array.
22          */
23     }
24
25
26     static void Main(string[] args) {
27         TextWriter tw = new StreamWriter(@System.Environment.GetEnvironmentVariable("OUTPUT_PATH"), true);
28
29         int n = Convert.ToInt32(Console.ReadLine());
30
31         int[] A = Array.ConvertAll(Console.ReadLine().Split(' '), ATemp => Convert.ToInt32(ATemp))
32         ;
33         long result = uniqueRecycledPairs(A);
34
35         tw.WriteLine(result);
36
37         tw.Flush();
38         tw.Close();
39     }
40 }
41
```

Line: 1 Col: 1

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