

Winning Lottery Ticket

 by [code_hard123](#)

Problem

Submissions

Leaderboard

Discussions

The SuperBowl Lottery is about to commence, and there are several lottery tickets being sold, and each ticket is identified with a ticket ID. In one of the many winning scenarios in the Superbowl lottery, a winning pair of tickets is:

- Concatenation of the two ticket IDs in the pair, in any order, contains each digit from **0** to **9** at least once.

For example, if there are **2** distinct tickets with ticket ID **129300455** and **56789**, **(129300455, 56789)** is a winning pair.

NOTE: The ticket IDs can be concatenated in any order. Digits in the ticket ID can occur in any order.

Your task is to find the number of winning pairs of distinct tickets, such that concatenation of their ticket IDs (in any order) makes for a winning scenario. Complete the function `winningLotteryTicket` which takes a string array of ticket IDs as input, and return the number of winning pairs.

Input Format

The first line contains ***n*** denoting the total number of lottery tickets in the super bowl.
Each of the next ***n*** lines contains a string, where string on a ***i*th** line denotes the ticket id of the ***i*th** ticket.

Constraints

- $1 \leq n \leq 10^6$
- $1 \leq \text{length of ticket_i} \leq 10^6$
- sum of lengths of all **ticket_i** $\leq 10^6$
- Each ticket id consists of digits from **[0, 9]**

Output Format

Print the number of pairs in a new line.

Sample Input 0

```
5
129300455
5559948277
012334556
56789
123456879
```

Sample Output 0

5

Explanation 0

Pairs of distinct tickets that make for a winning scenario are :

Ticket ID 1	Ticket ID 2	Winning Pair
129300455	56789	(129300455, 56789)
129300455	123456879	(129300455, 123456879)
5559948277	012334556	(5559948277, 012334556)

Ticket ID 1	Ticket ID 2	Winning Pair
012334556	56789	(012334556, 56789)
012334556	123456879	(012334556, 123456879)

Notice that each winning pair has digits from 0 to 9 atleast once, and the digits in the ticket ID can be of any order. Thus, the number of winning pairs is 5.

Contest ends in a day

Medium

Submitted 3570 times
Max Score 40

Need Help?



[View Discussions](#)



[View Top Submissions](#)

Rate This Challenge:



[Download problem statement](#)

[Download sample test cases](#)

[Suggest Edits](#)



Current Buffer (saved locally, editable)

Python 3

```
1 #!/bin/python3
2
3 import sys
4
5 def winningLotteryTicket(tickets):
6     # Complete this function
7
8 if __name__ == "__main__":
9     n = int(input().strip())
10    tickets = []
11    tickets_i = 0
12    for tickets_i in range(n):
13        tickets_t = str(input().strip())
14        tickets.append(tickets_t)
15    result = winningLotteryTicket(tickets)
16    print(result)
17
```

Line: 1 Col: 1

[Upload Code as File](#) ☐ Test against custom input

[Run Code](#)

[Submit Code](#)