I've Been Everywhere, Man



Alice travels a lot for her work. Each time she travels, she visits a single city before returning home.

Someone recently asked her “how many different cities have you visited for work?” Thankfully Alice has kept a log of her trips. Help Alice figure out the number of cities she has visited at least once.

**Input**

The first line of input contains a single positive integer T≤50T≤50indicating the number of test cases. The first line of each test case also contains a single positive integer nnindicating the number of work trips Alice has taken so far. The following nn lines describe these trips. The iith such line simply contains the name of the city Alice visited on her iith trip.

Alice’s work only sends her to cities with *simple* names: city names only contain lowercase letters, have at least one letter, and do not contain spaces.

The number of trips is at most 100100 and no city name contains more than 2020 characters.

**Output**

For each test case, simply output a single line containing a single integer that is the number of distinct cities that Alice has visited on her work trips.

|  |  |
| --- | --- |
| **Sample Input 1** | **Sample Output 1** |
| 2  7  saskatoon  toronto  winnipeg  toronto  vancouver  saskatoon  toronto  3  edmonton  edmonton  edmonton | 4  1 |

<https://open.kattis.com/problems/everywhere>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

namespace ConsoleApplication1

{

class Program

{

static void Main(string[] args)

{

int t = int.Parse(Console.ReadLine());

while (t-- > 0)

{

int n = int.Parse(Console.ReadLine());

List<string> ciudades = new List<string>();

for (int i = 0; i < n; i++)

{

ciudades.Add(Console.ReadLine());

}

List<string> distintas = new List<string>();

for (int i = 0; i < ciudades.Count; i++)

{

if (!distintas.Contains(ciudades[i]))

{

distintas.Add(ciudades[i]);

}

}

Console.WriteLine(distintas.Count);

}

//Console.ReadLine();

}

}

}