**Second most repeated string in a sequence**

Submissions: [9066](https://practice.geeksforgeeks.org/problem_submissions.php?pid=2090)  Accuracy:

44.57%

   Difficulty: [Easy](https://practice.geeksforgeeks.org/Easy/0/0/)   Marks: 2

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Given a sequence of strings, the task is to find out the second most repeated (or frequent) string in the given sequence.

**Note:** No two strings are the second most repeated, there will be always a single string.

**Input:**  
The first line of input contains an integer T denoting the number of test cases. Then T test cases follow. Each test case consists of two lines. First line of each test case contains an Integer N denoting number of strings in a sequence and the second line contains N space separated strings.

**Output:**  
For each test case, in a new line print the second most repeated string.

**Constraints:**  
1<=T<=100  
3<=N<=103  
1<=|String length|<=100

**Example:**  
**Input:**  
2  
6  
aaa bbb ccc bbb aaa  aaa  
6  
geeks for geeks for geeks aaa

**Output:**  
bbb  
for

\*\* For More Input/Output Examples Use ['Expected Output'](https://practice.geeksforgeeks.org/problems/second-most-repeated-string-in-a-sequence/0#ExpectOP) option \*\*

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<https://practice.geeksforgeeks.org/problems/second-most-repeated-string-in-a-sequence/0>

using System;

using System.Collections.Generic;

using System.Linq;

using System.Text;

using System.Threading.Tasks;

namespace ConsoleApp1

{

class Program

{

static string SegundaMasRepetida(string[] a)

{

// SortedDictionary<string, int> dic = new SortedDictionary<string, int>();

Dictionary<string, int> dic = new Dictionary<string, int>();

for(int i =0; i<a.Length; i++)

{

if (dic.ContainsKey(a[i])) dic[a[i]]++;

else dic[a[i]] = 1;

}

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

foreach (var item in dic.OrderBy(i => i.Value).Reverse())

{

//Console.WriteLine(item);

lista.Add(item.Key);

}

return lista[1];

}

static void Main(string[] args)

{

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

while (t-- > 0)

{

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

string[] s = Console.ReadLine().Trim().Split(' ');

Console.WriteLine(SegundaMasRepetida(s));

}

Console.ReadLine();

}

}

}