URI Online Judge | 1277

**Short Attendance**

By TopCoder\* https://urionlinejudge.r.worldssl.net/gallery/images/flags/us.gif USA

**Timelimit: 1**

The students at your university have lately picked up the annoying habit of missing classes. To fix this problem your board has decided to only allow students with 75% or higher attendance to sit for the exams.

From a list of students' names and their respective attendance records, print out the list of students who did not attend to enough classes and will be denied to sit for exams.

**Input**

The input contains several test cases. The first input line will contain an integer **T** indicating the number of test cases that follow.  
Each test case is composed of three input lines:

* The first line of a test case will contain an integer **N** (0 ≤ **N**≤ 100) indicating the number of students in the class.
* The second line will contain **N** student names with up to 50 chars each, separated by a single space character. All names will contain only uppercase or lowercase letters (‘A’-‘Z’,‘a’-‘z’).
* The third line will contain **N** attendance records, corresponding to their respective students from the previous line. The attendance records will be separated by a single space character, and contain only ‘A’, ‘P’ and ‘M’ characters. A ‘P’ indicates that the student was present in a class, ‘A’ shows that he was absent (he did not attend) and ‘M’ shows that he was absent for a class but submitted a doctor's note then that class is not counted when calculating his attendance percentage. An attendance record will contain at least one ‘A’ or ‘P’ character.

**Output**

For each test case print out the names of all the students who do not meet the attendance requirements, separated by a single space character. Do not leave trailing spaces in the end of each line.

| **Sample Input** | **Sample Output** |
| --- | --- |
| 4 1 Justin PAAPP 2 Justin Chris PAAPP PPPPA 1 Sunny PPPAM 4 Mansi Arjun Nikhil Taneja PPPPMPPAPP AAMAAPP PPPPAAP PPPAAAMPP | Justin Justin  Arjun Nikhil Taneja |

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<https://www.urionlinejudge.com.br/judge/es/problems/view/1277>

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());

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

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

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

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

{

int presente = 0;

int total = 0;

for (int j = 0; j < asistencias[i].Length; j++)

{

if (asistencias[i][j] == 'P')

{

presente++;

}

if (asistencias[i][j] == 'P' || asistencias[i][j] == 'A')

{

total++;

}

}

if ((double)presente / (double)total < 0.75)

{

ans.Add(nombres[i]);

}

}

if (ans.Count > 0)

{

for (int i = 0; i < ans.Count - 1; i++)

{

Console.Write(ans[i] + " ");

}

Console.Write(ans[ans.Count - 1]);

}

Console.WriteLine();

}

Console.ReadLine();

}

}

}