**Day 82 coding Statement :**

You are given *N* binary strings of length *N* each. You need to find a binary string of length *N* which is different from all of the given strings.

Note:

* A binary string is defined as a string consisting only of '0' and '1'.
* A string is considered different from another string when they have different lengths, or when they differ in at least one position.

**Input Format**

* The first line will contain *T* - the number of test cases. Then the test cases follow.
* The first line of each test case contains *N* - the number of strings and length of strings.
* Each of the next *N* lines contains a binary string of length *N*.

**Output Format**

For each test case, print on one line a binary string of length *N*, which is different from all of the given strings. If there are multiple possible answers, print any.

**Sample Input**

2

3

101

110

100

4

1100

1010

0100

0010

**Sample Output**

111

1101

import java.util.Scanner;

public class RatanPrajapati\_day82 {

    public static void main(String[] args) throws java.lang.Exception {

        Scanner sc = new Scanner(System.in);

        int T = sc.nextInt();

        while (T-- > 0) {

            int n = sc.nextInt();

            sc.nextLine();

            String ans = "";

            for (int j = 0; j < n; j++) {

                String s = sc.nextLine();

                if (s.charAt(j) == '0')

                    ans += "1";

                else

                    ans += "0";

            }

            System.out.println(ans);

        }

    }

}