**Check if divisible by 11**

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Given a number (n) , the task is to find if its divisible by 11 or not.

Examples:

Input : n = 76945

Output : 1

Input : n = 1234567589333892

Output : 1

Input : n = 363588395960667043875487

Output : 0

**Input:**  
The first line of input contains an  integer T denoting the no of test cases. Then T test cases follow. Each test case contains an numer x.  
  
**Output:**  
For each test case in a new line print 1 if n is divisible by 11 else print 0.  
  
**Constraints:**  
1<=T<=100  
1<=N<=10^1000+5  
  
**Example:  
Input:**  
2  
76945  
363588395960667043875487  
**Output:**  
1  
0

\*\*For More Examples Use Expected Output\*\*

<http://practice.geeksforgeeks.org/problems/check-if-divisible-by-11/0>

“Un **número** es **divisible por** once si a la suma de las cifras de posición par se le resta la suma de las cifras de posición impar y se obtiene 0 o un múltiplo de **11**. En este video aprenderemos cómo saber si un **número** es **divisible** o no **por** el**número** once.”

/\*

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package javaapplication244;

import java.io.BufferedReader;

import java.io.IOException;

import java.io.InputStreamReader;

import java.util.ArrayList;

import java.util.Arrays;

import java.util.Collections;

import java.util.HashMap;

import java.util.List;

/\*\*

\*

\* @author Administrador

\*/

public class JavaApplication244 {

/\*\*

\* @param args the command line arguments

\*/

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

String num = br.readLine().trim();

int sumPar =0, sumImpar=0;

int ans =0;

for(int i =0; i<num.length(); i++) {

if(i%2==0) {

sumImpar += Integer.parseInt(String.valueOf( num.charAt(i)));

}

else{

sumPar += Integer.parseInt(String.valueOf( num.charAt(i)));

}

}

if( (sumPar - sumImpar)%11==0 || (sumPar - sumImpar) ==0 ) {

ans = 1;

}

System.out.println(ans);

}

}

}

--------otra solución (mia)----------

import java.util.\*;

import java.lang.\*;

import java.io.\*;

class GFG {

public static void main(String[] args) throws IOException {

// TODO code application logic here

BufferedReader br = new BufferedReader(new InputStreamReader(System.in));

int t = Integer.parseInt(br.readLine());

while(t-- > 0) {

String num = br.readLine().trim();

//int sumPar =0, sumImpar=0;

int sum =0;

int ans =0;

for(int i =0; i<num.length(); i++) {

if(i%2==0) {

sum -= Integer.parseInt(String.valueOf( num.charAt(i)));

}

else{

sum += Integer.parseInt(String.valueOf( num.charAt(i)));

}

}

if(sum %11==0 || sum ==0) {

ans = 1;

}

System.out.println(ans);

}

}

}