**Check if divisible by 36**

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Given a number (n) , the task is to find if its divisible by 36 or not.

Examples:

Input : 72

Output : 1

Input : 244

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 number x.  
  
**Output:**  
For each test case in a new line print 1 if n is divisible by 36 else print 0.  
  
**Constraints:**  
1<=T<=100  
1<=N<=10^1000+5  
  
**Example:  
Input:**  
2  
72  
244  
**Output:**  
1  
0

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

<http://practice.geeksforgeeks.org/problems/check-if-divisible-by-36/0>

A number is divisible by 36 if the number is divisible by 4 and 9

1. [A number is divisible by 4 if the number formed by its last 2 digits is divisible by 4](http://www.geeksforgeeks.org/check-large-number-divisible-4-not/)
2. [A number is divisible by 9 if the sum of the digits of the number is divisible by 9](http://www.geeksforgeeks.org/check-large-number-divisible-9-not/)

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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

\*/

static boolean isPerfectSquare(int n){

if((int) Math.sqrt(n) \* (int) Math.sqrt(n) == n) {

return true;

}

return false;

}

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();

String subs = num.substring(num.length()-2);

//System.out.println(subs);

int ans =0;

if(Integer.parseInt(subs) % 4 ==0 ) {

int sumDig =0;

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

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

}

if(sumDig%9==0) {

ans= 1;

}

}

System.out.println(ans);

}

}

}