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CODECHEF Certified
Data Structure & Algorithms Programme

EXAM DATE **22** **MAR** 2020

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When to take medicine

Problem Code: **MEDIC**

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All submissions for this problem are available. You visit a doctor on a date given in the format *yyyy : mm : dd*. Your doctor suggests you to take pills every alternate day starting from that day. You being a forgetful person are pretty sure won't be able to remember the last day you took the medicine and would end up in taking the medicines on wrong days.

So you come up with the idea of taking medicine on the dates whose day is odd or even depending on whether *dd* is odd or even. Calculate the number of pills you took on right time before messing up for the first time.

Note:

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leap years. For example, the year 1900 is not a leap year; the year 2000 is a leap year.

Input:

- First line will contain *T*, number of testcases. Then the testcases follow.
- Each testcase contains of a single line of input, in the format *yyyy : mm : dd*

Output:

For each testcase, output in a single line the required answer.

Constraints

- $1 \leq T \leq 1000$
- $1900 \leq yyyy \leq 2038$
- yyyy : mm : dd* is a valid date

Sample Input:

```
1
2019:03:31
```

Sample Output:

```
1
```

EXPLANATION:

You can take pill on the right day only on 31st March. Next you will take it on 1st April which is not on the alternate day.

Author: **5*** [vishal_nnd0](#)

Tags: [vishal_nnd0](#)

Date Added: 16-04-2019

Time Limit: 1 secs

Source Limit: 50000 Bytes

Languages: C, CPP14, JAVA, PYTH, PYTH 3.6, PYPY, CS2, PAS fpc, PAS gpc, RUBY, PHP, GO, NODEJS, HASK, rust, SCALA, swift, D, PERL, FORT, WSPC, ADA, CAML, ICK, BF, ASM, CLPS, PRLG, ICON, SCM qobi, PIKE, ST, NICE, LUA, BASH, NEM, LISP sbcl, LISP clisp, SCM guile, JS, ERL, TCL, kotlin, PERL6, TEXT, SCM chicken, PYP3, CLOJ, R, COB, FS

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The time now is: 10:24:03 PM

Your IP: 157.46.100.88

CodeChef - A Platform for Aspiring Programmers

CodeChef was created as a platform to help programmers make it big in the world of **algorithms**, **computer programming**, and **programming contests**. At CodeChef we work hard to revive the geek in you by hosting a **programming contest** at the start of the month and two smaller programming challenges at the middle and end of the month. We also aim to have training sessions and discussions related to **algorithms**, **binary search**, technicalities like **array size** and the likes. Apart from providing a platform for **programming competitions**, CodeChef also has various algorithm tutorials and forum discussions to help those who are new to the world of **computer programming**.

Practice Section - A Place to hone your 'Computer Programming Skills'

Try your hand at one of our many practice problems and submit your solution in the language of your choice. Our **programming contest** judge accepts solutions in over 55+ programming languages. Preparing for coding contests were never this much fun! Receive points, and move up through the CodeChef ranks. Use our practice section to better prepare yourself for the multiple **programming challenges** that take place through-out the month on CodeChef.

Compete - Monthly Programming Contests, Cook-off and Lunchtime

Here is where you can show off your **computer programming skills**. Take part in our 10 days long monthly coding contest and the shorter format Cook-off and Lunchtime **coding contests**. Put yourself up for recognition and win great prizes. Our **programming contests** have prizes worth up to INR 20,000 (for Indian Community), \$700 (for Global Community) and lots more CodeChef goodies up for grabs.

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