Correct dates   P29448_en

Write a program that reads several dates, and for each one tells if it is correct or not according to the Gregorian calendar.

You can find the rule for leap years in the exercise .

Input

Each date consists of three integer numbers, corresponding to the day, month and year, respectively. All years are between 1800 and 9999.

Output

For every date, tell if it is correct or not.

Sample input

```
30 11 1971
6 4 1971
4 8 2001
29 2 2001
32 11 2005
30 11 2004
-20 15 2000
```

Sample output

```
Correct Date
Correct Date
Correct Date
Incorrect Date
Incorrect Date
Correct Date
Incorrect Date
```

Problem information

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