

practice task #5: leap years

You found a bug in your phone's Calendar app. For some reason, the developer of the application didn't take leap years into consideration. In leap years, we have an additional, 29th day in February.

You want to fix the bug by providing a piece of code which can determine if the given year is a leap year or not.

A year is a leap year if it satisfies the following conditions:

- it is divisible by 4, but not by 100,
- or it is divisible by 400

instructions

Write a program that reads the year as an integer from the standard input:

Print the appropriate message to the standard output.

- "leap year"
- "not a leap year"

an example run:

Std. Input:

year: 2012

Std. Output:

leap year