

Leap Year Test

60 POINTS

Given a year check if it is a leap year.
The following rules decides if a year represents a leap year:

- 1. If a year is not divisible by 4 then it is not a leap year.
- 2. Otherwise if year is not divisible by 100 then it is a leap year.
- 3. Otherwise if year is not divisible by 400 then it is not a leap year.
- 4. Otherwise it is a leap year.

Input format:
A single line of input containing the value of year

Output format:
TRUE if year is leap year FALSE otherwise

Constraints:
(i) $1000 \leq N \leq 4000$

Test Case - 1
1000
FALSE

Test Case - 2
2000
TRUE

Problem tags:

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