**Introduction**

A leap year (in the Gregorian calendar) occurs:

* In every year that is evenly divisible by 4.
* Unless the year is evenly divisible by 100, in which case it's only a leap year if the year is also evenly divisible by 400.

Some examples:

* 1997 was not a leap year as it's not divisible by 4.
* 1900 was not a leap year as it's not divisible by 400.
* 2000 was a leap year!

**Note**

For a delightful, four-minute explanation of the whole phenomenon of leap years, check out [**this YouTube video**](https://www.youtube.com/watch?v=xX96xng7sAE).

**Instructions**

Your task is to determine whether a given year is a leap year.