1 Algorithm description

The method isLeapYear() takes an integer as input and interprets that as a year to validate whether the year is a leap year or not. The input is first checked whether its divisible by 4 (using modulo operations), if not, the method returns false. If it is divisible by 4, we check whether its also divisible by 100, if not, the method returns true. If it is also divisible by 100, we check whether its also divisible by 400. If its divisible by 400 the method returns true, otherwise it returns false.

Start

Divisible by 4

true

Divisible by 100

false

true

Divisible by 400

false

true

false

return false

return true