NAME

LEAPYR − Tell whether a given year is a leap year.

SYNOPSIS

RESULT=LEAPYR(YEAR)

RESULT   is the LOGICAL*4 answer; T => yes, F => no
YEAR   is the INTEGER*4 year to be checked

DESCRIPTION

Every year evenly divisible by 4 (such as 1980) is a leap year, except those completing a century, which must also be divisible by 400 (such as the year 2000). Using this rule, the function returns T if a given year is a leap year and F if it is not.

BUGS

The routine does not check for negative arguments.

LINKAGE

gfortran   source.f −L${HOME}/lib −lmisc

AUTHOR

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EXAMPLE

```
        LOGICAL*4 LEAPYR
        PRINT *, LEAPYR(1946)
        PRINT *, LEAPYR(1992)
        STOP
        END
```

This example produced the following output:

```
unix[1]
   F
   T
unix[2]
```