## 1 The Module leap.pl

```
divides(+Divisor:int, +Number:int)
                                                                       leap.pl
  Number is a multiple of Divisor.
  Use the same precedence and type as rem and similar operators.
   :- module(leap).
   :- op(400, yfx, divides).
   divides(Divisor, Number) :-
  0 is the remainder of Number \div Divisor.
       O is Number rem Divisor.
leap(+Year:int)
                                                                       leap.pl
  Year is a leap year.
  If 400 divides \it Year, it is a leap year. Stop looking for alternatives.
   leap(Year) :- 400 divides Year, !.
  If 100 does not divide Year and 4 does, it is a leap year.
   leap(Year) :-
       \+ 100 divides Year,
       4 divides Year.
```