1 The File queen_attack.pl

; abs(Row1 - Row2) #= abs(Col1 - Col2)

).

Use the Constraint Logic Programming over Finite Domains library.

```
:- use_module(library(clpfd)).
```

```
create(+Tuple)
                                                               queen_attack.pl
   (Row, Col) represents a valid chessboard position.
    create((Row, Col)) :-
   Row and Col are both elements of 0..7.
    [Row, Col] ins 0..7.
attack(+Tuple, +Tuple)
                                                               queen_attack.pl
   A queen positioned at (Row1, Col1) is vulnerable to an attack by another
queen positioned at (Row2, Col2).
    attack((Row1, Col1), (Row2, Col2)) :-
   Ensure both positions are valid.
    create((Row1, Col1)),
    create((Row2, Col2)),
   Queens in the same row can attack each other.
    ( Row1 #= Row2
   Queens in the same column can attack each other.
    ; Col1 #= Col2
   Queens that share the same diagonal can attack each other.
```