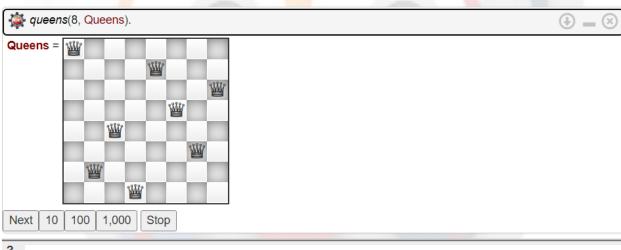
```
Code:
:- use_rendering(chess).
queens(N, Queens):-
  length(Queens, N),
       board(Queens, Board, 0, N, _, _),
       queens(Board, 0, Queens).
board([], [], N, N, _, _).
board([_|Queens], [Col-Vars|Board], Col0, N, [_|VR], VC) :-
       Col is Col0+1,
       functor(Vars, f, N),
       constraints(N, Vars, VR, VC),
       board(Queens, Board, Col, N, VR, [_|VC]).
constraints(0, \_, \_, \_) :- !.
constraints(N, Row, [R|Rs], [C|Cs]) :-
       arg(N, Row, R-C),
       M is N-1,
       constraints(M, Row, Rs, Cs).
queens([], _, []).
queens([C|Cs], Row0, [Col|Solution]):-
       Row is Row0+1,
       select(Col-Vars, [C|Cs], Board),
       arg(Row, Vars, Row-Row),
       queens(Board, Row, Solution).
/** <examples>
?- queens(8, Queens).
```

\*/

## Output:



?- queens(8, Queens).