```
?- sudoku(Rows), maplist(label, Rows).
Rows = [[1, 2, 3, 4, 5, 6, 7, 8] ...], [4, 5, 6, 7, 8, 9, 1] ...], [7, 8, 9, 1, 2, 3] ...], [2, 1, 4, 3, 6] ...], [3, 6, 5, 8] ...], [8, 9, 7] ...], [5, 3] ...], [6] ...], [1, 1, 2, 3] ...]
?- problem(1, Rows), sudoku(Rows), maplist(label, Rows).
Rows = [[1, 5, 6, 8, 9, 4, 3, 2] \dots], [9, 2, 8, 7, 3, 1, 4] \dots], [4, 7, 3, 2, 6, 5] \dots], [3, 6, 2, 4, 1] \dots], [7, 8, 9, 3] \dots], [5, 1, 4] \dots], [8, 3] \dots], [6] \dots], [6] \dots]
?- problem(1, Rows), sudoku(Rows), maplist(portray_clause, Rows).
[1, 5, 6, 8, 9, 4, 3, 2, 7].
[9, 2, 8, 7, 3, 1, 4, 5, 6].
[4, 7, 3, 2, 6, 5, 9, 1, 8].
[3, 6, 2, 4, 1, 7, 8, 9, 5].
[7, 8, 9, 3, 5, 2, 6, 4, 1].
[5, 1, 4, 9, 8, 6, 2, 7, 3].
[8, 3, 1, 5, 4, 9, 7, 6, 2].
[6, 9, 7, 1, 2, 3, 5, 8, 4].
[2, 4, 5, 6, 7, 8, 1, 3, 9].
Rows = [[1, 5, 6, 8, 9, 4, 3, 2|...], [9, 2, 8, 7, 3, 1, 4|...], [4, 7, 3, 2, 6, 5|...], [3, 6, 2, 4, 1|...], [7, 8, 9, 3|...], [5, 1, 4|...], [8, 3|...], [6|...], [...]]
?- problem(1, Rows), sudoku(Rows), maplist(label, Rows).
Rows = [[1, 5, 6, 8, 9, 4, 3, 2|...], [9, 2, 8, 7, 3, 1, 4|...], [4, 7, 3, 2, 6, 5|...], [3, 6, 2, 4, 1|...], [7, 8, 9, 3|...], [5, 1, 4|...], [8, 3|...], [6|...], [...]]
?- problem(2, Rows), sudoku(Rows), maplist(portray_clause, Rows).
[7, 8, 2, 4, 3, 5, 1, 9, 6].
[6, 4, 9, 8, 2, 1, 7, 3, 5].
[1, 3, 5, 7, 9, 6, 4, 8, 2].
[3, 7, 4, 2, 1, 9, 6, 5, 8].
[9, 6, 1, 5, 8, 7, 2, 4, 3].
[5, 2, 8, 6, 4, 3, 9, 7, 1].
[8, 5, 6, 9, 7, 2, 3, 1, 4].
[2, 9, 3, 1, 5, 4, 8, 6, 7].
[4, 1, 7, 3, 6, 8, 5, 2, 9].
Rows = [[7, 8, 2, 4, 3, 5, 1, 9]...], [6, 4, 9, 8, 2, 1, 7]...], [1, 3, 5, 7, 9, 6]...], [3, 7, 4, 2, 1]...], [9, 6, 1, 5]...], [5, 2, 8]...], [8, 5]...], [2]...], [2]...]
?- problem(3, Rows), sudoku(Rows), maplist(portray_clause, Rows).
[1, 8, 4, 9, 6, 3, 7, 2, 5].
[5, 6, 2, 7, 4, 8, 3, 1, 9].
[3, 9, 7, 5, 1, 2, 8, 6, 4].
[2, 3, 9, 6, 5, 7, 1, 4, 8].
[7, 5, 6, 1, 8, 4, 2, 9, 3].
[4, 1, 8, 2, 3, 9, 6, 5, 7].
[9, 4, 1, 3, 7, 6, 5, 8, 2]
[6, 2, 3, 8, 9, 5, 4, 7, 1]
[8, 7, 5, 4, 2, 1, 9, 3, 6].
Rows = [[1, 8, 4, 9, 6, 3, 7, 2]...], [5, 6, 2, 7, 4, 8, 3]...], [3, 9, 7, 5, 1, 2]...], [2, 3, 9, 6, 5]...], [7, 5, 6, 1]...], [4, 1, 8]...], [9, 4]...], [6]...]
?- problem(0, Rows), sudoku(Rows), maplist(portray_clause, Rows).
[9, 8, 7, 6, 5, 4, 3, 2, 1].
[2, 4, 6, 1, 7, 3, 9, 8, 5].
[3, 5, 1, 9, 2, 8, 7, 4, 6]
[1, 2, 8, 5, 3, 7, 6, 9, 4].
[6, 3, 4, 8, 9, 2, 1, 5, 7].
[7, 9, 5, 4, 6, 1, 8, 3, 2]
[5, 1, 9, 2, 8, 6, 4, 7, 3]
[4, 7, 2, 3, 1, 9, 5, 6, 8]
[8, 6, 3, 7, 4, 5, 2, 1, 9].
Rows = [[9, 8, 7, 6, 5, 4, 3, 2]...], [2, 4, 6, 1, 7, 3, 9]...], [3, 5, 1, 9, 2, 8]...], [1, 2, 8, 5, 3]...], [6, 3, 4, 8]...], [7, 9, 5]...], [5, 1]...], [4]...], [...].
?-
| Rows = [[5,3,\_,\_,7,\_,\_,\_],
         [6,_,_,1,9,5,_,_,_],
         [,9,8,_,_,6,_],
         [8,_,_,6,_,_,3],
         [4,_,_,8,_,3,_,_,1],
         [7,_,_,2,_,_,6],
         [_,6,_,_,2,8,_],
         [_,_,4,1,9,_,5],
                                   [_,_,_,8,_,7,9]], sudoku(Rows), maplist(portray_clause, Rows).
[5, 3, 4, 6, 7, 8, 9, 1, 2].
[6, 7, 2, 1, 9, 5, 3, 4, 8].
[1, 9, 8, 3, 4, 2, 5, 6, 7].
[8, 5, 9, 7, 6, 1, 4, 2, 3].
[4, 2, 6, 8, 5, 3, 7, 9, 1].
[7, 1, 3, 9, 2, 4, 8, 5, 6].
[9, 6, 1, 5, 3, 7, 2, 8, 4].
[2, 8, 7, 4, 1, 9, 6, 3, 5].
[3, 4, 5, 2, 8, 6, 1, 7, 9]
Rows = [[5, 3, 4, 6, 7, 8, 9, 1|...], [6, 7, 2, 1, 9, 5, 3|...], [1, 9, 8, 3, 4, 2|...], [8, 5, 9, 7, 6|...], [4, 2, 6, 8|...], [7, 1, 3|...], [9, 6|...], [2|...], [...].
```