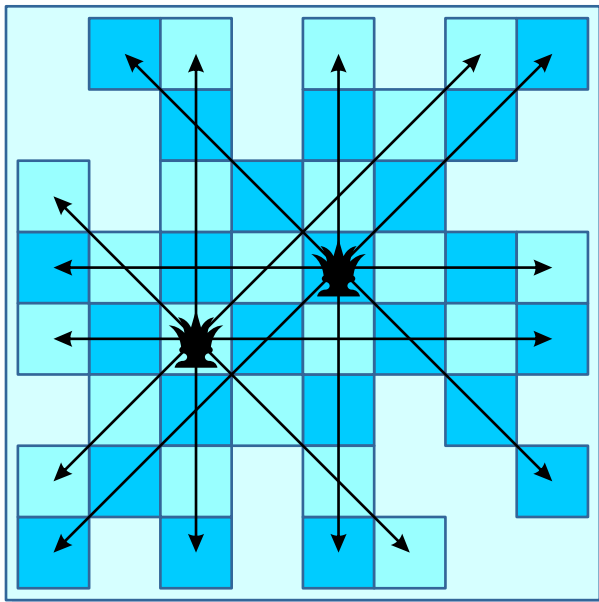


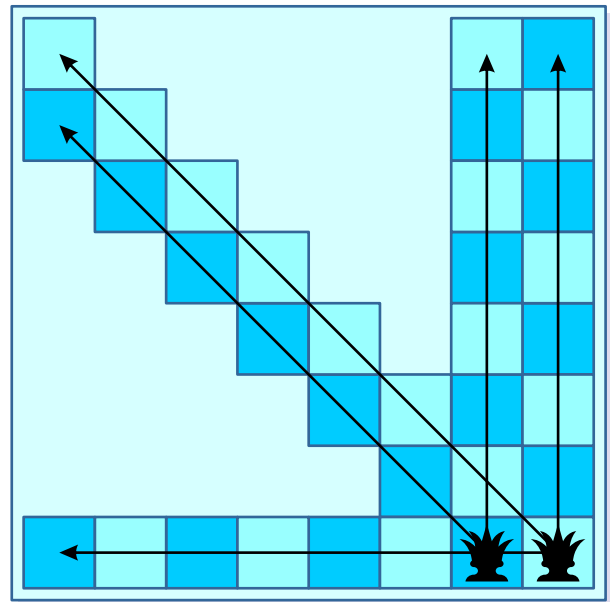
Puzzle 1. Place two chess queens on an 8x8 chessboard so that they both attack the maximum possible number of vacant cells of the board.

Puzzle 2. Place two chess queens on an 8x8 chessboard so that they both attack the minimum possible number of vacant cells.

A vacant cell is under attack if it is in the same horizontal, vertical or diagonal with at least one of the queens. If a cell is under attack of both queens it's considered as being attacked only once.



Solution A



Solution B

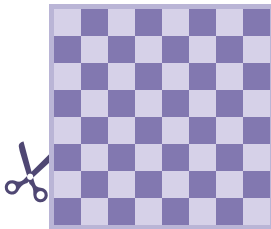
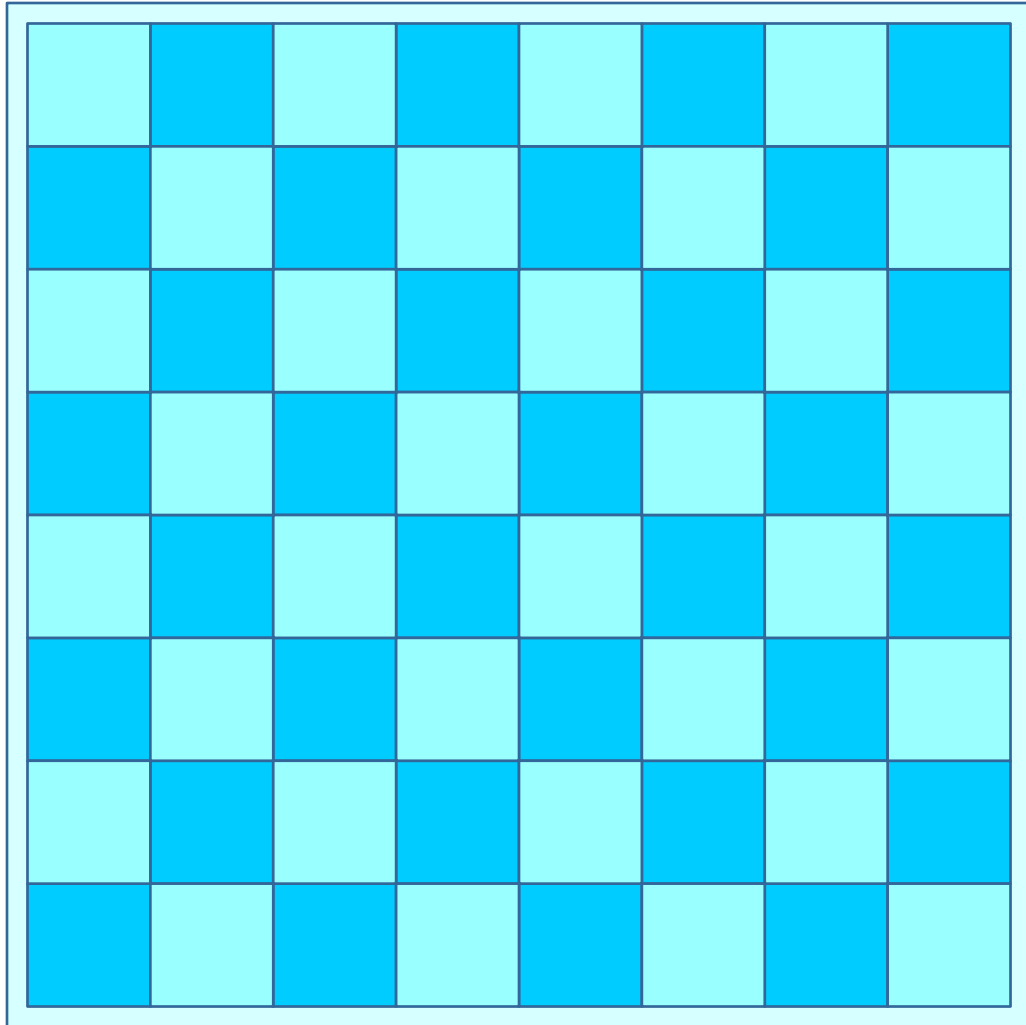
Solution to Puzzle 1. To attack the maximum possible number of vacant cells two chess queens should be placed in the center of the chessboard as shown in Solution A. In this case 42 vacant cells are under attack.

Solution to Puzzle 2. To attack the minimum possible number of empty squares two chess queens should be placed in any of the four corners of the chessboard in two adjacent squares - as shown in Solution B. In this case total number of vacant cells under attack is 32.

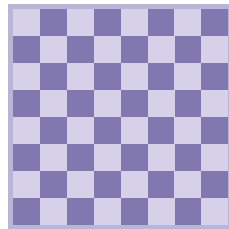
The Two Queen Question

Board

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1



F

To produce the board first print it out. Then follow the diagram shown above - from step 1 to step F (finish).

Last Updated: January 26, 2006

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