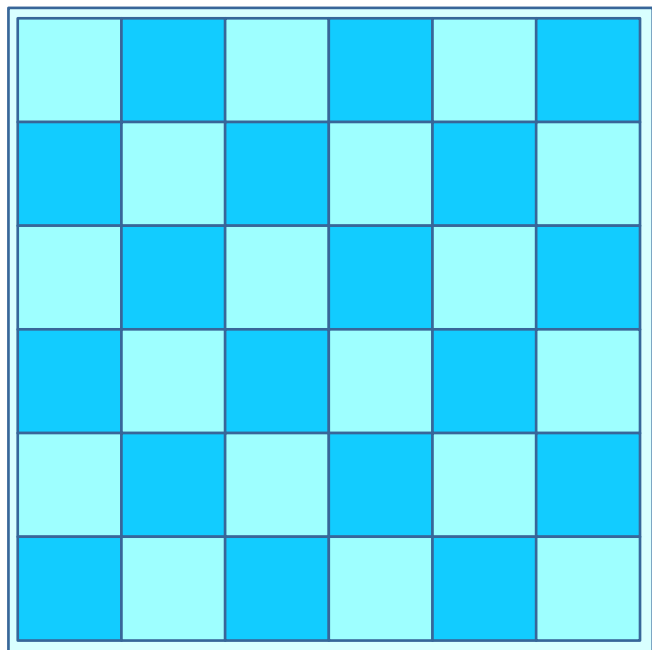
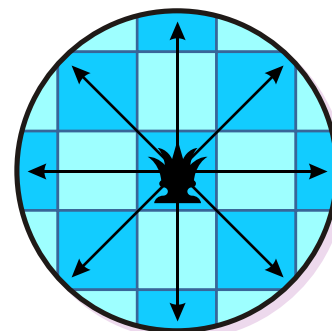


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1



2

Three Queens

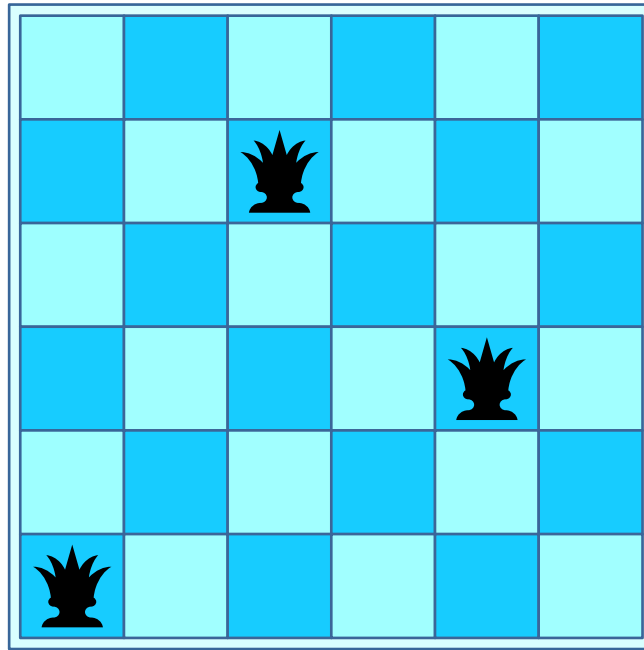
after Martin Gardner

Can you place three chess queens on the 6x6 board shown in Figure 1 above so that all vacant cells are attacked? A vacant cell is considered to be attacked when it is in the same row, column or diagonal with at least one of the queens.

The basic scheme of the chess queen's moves is shown in Figure 2.

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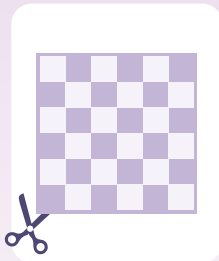
Three Queens (solutions)

The only basic solution (not counting rotations and reflections) is shown in the illustration.

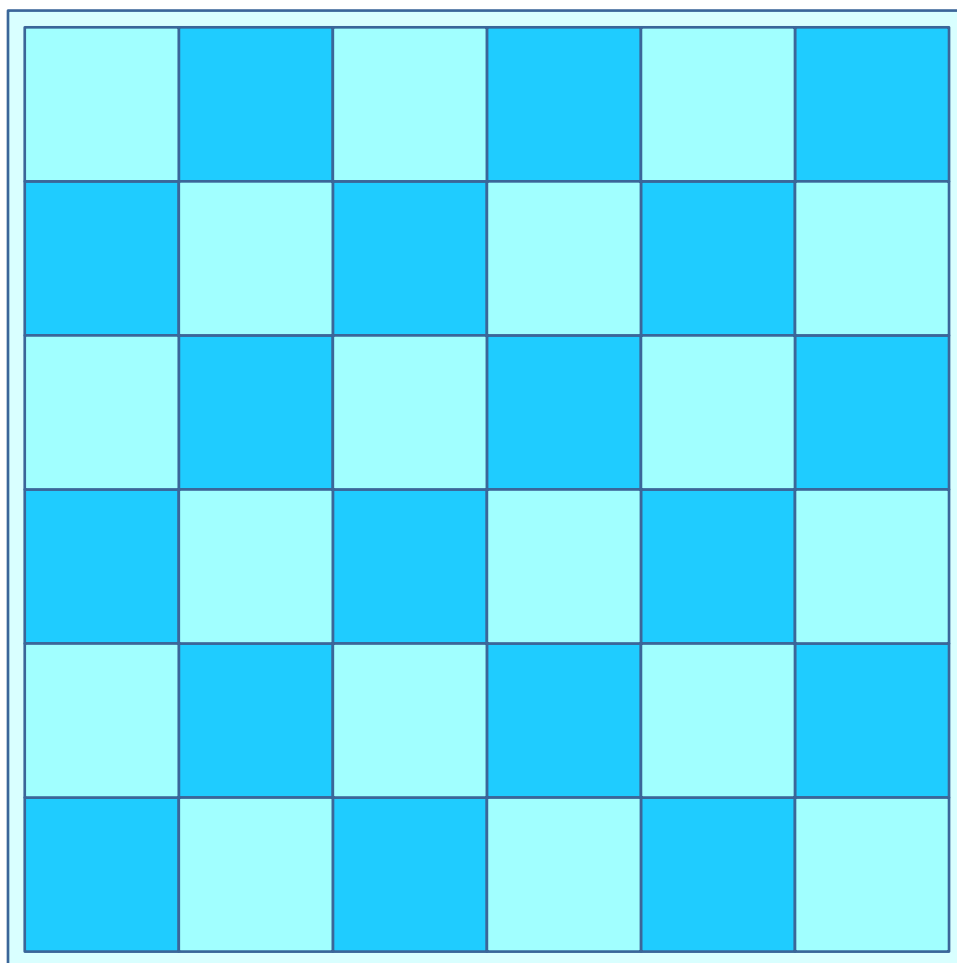
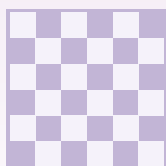
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1



F



Three Queens (board)

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

July 8, 2004

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