

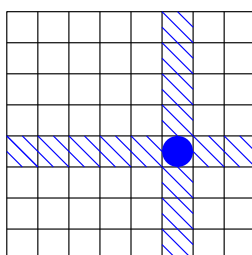


Check Mates

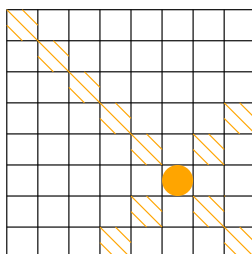
Graph Theory for Grandmasters

Chess pieces are only allowed to move in a certain way:

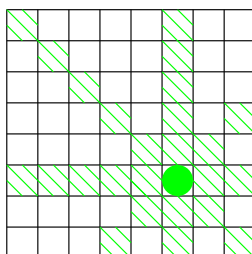
- A Rook (blue) is able to attack any square on the same row or column.



- A Bishop (orange) is able to attack any square on the same diagonal.



- A Queen (green) is able to attack like a Rook OR a Bishop.



Can you fit eight Rooks on the same chessboard **such that they cannot attack one another**? What about eight Bishops? Eight *Queens*?