# Eight Queens Write-up (Sean)

## Description

Eight Queens is a well-known problem where one tries to place eight queens strategically on a standard 8x8 chessboard in positions where none are able to attack the other. According to the standard rules of chess, a queen can attack any piece that is the same column, row, or diagonal. Therefore, the key is to place the eight queens so that none are in the same row, column, or diagonal. A brute force algorithm testing every possible grid alignment takes quite a while because the grid is 8 by 8, but the algorithm can be simplified by first preventing queens from taking the same row or column as the other.

Sources:

<https://en.wikipedia.org/wiki/Eight_queens_puzzle>

<http://datagenetics.com/blog/august42012/index.html>

## Example Solution

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