

Shinya Saito

Professor Cam Moore

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### Homework 9 Free Response

For the following hexadecimal sudoku, my intuition on why some examples took longer than others is because of the “-1”. In my personal opinion and experience a regular sudoku game, the more grid and blanks you have the difficult it is to solve. The more blanks you have, the more time is going to be taken to fill in numbers between 1 - 16 that follows the rules of sudoku. On the other hand, sudoku grids with fewer blanks, so, therefore, less thinking to do when solving the sudoku. Applying personal intuition, that is one of the reasons why I believe that example 3 and example 4 had a longer solving time.

When writing a solution 2d array for problem 3 and problem 4, what I did was solve it using as regular paper and treating it as a regular 16 by 16 sudoku. After that, I would type out the solutions into Eclipse and run the code. As was stated in the previous paragraph, the test took a long time compared to the previous 2 problems. The solving for problem 3 took around 5 minutes and problem 4 took between 6 to 7 minutes.