

CPSC 439 Project #2 Big O

Project #2 assignment was to create the Wolfram's Cellular Automaton Rule 150 and display it on a grid using a Turing machine. The program needed a matrix that contains 0's or 1's that follows the Cellular Automaton Rule 150. Then the program would read through the matrix and draw the block when the Turing Machine reads a certain value. Since the program creates and fills in the matrix and goes through it again with the Turing Machine, I believe the Big O efficiency time will be $O(n \times m)$