

Project Memo

Date: 11/22/22

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Subject: Programming Assignment

The program in this repository follows what was laid out in the assignment: there is an unlock and lock code, characters can be continuously input into the program, and the program indicates that it is unlocked when the unlock code is input, and same with locking. The key to this project was creating a state transition diagram (included below), and then turning that directed graph into a matrix. The code itself is nothing more than looking up the value for the next state in a row that corresponds to the current state, and the column number representing the input. This program was written in C++, which uses the ECMAScript regex grammar.

