DIGITAL PRINCIPLES AND SYSTEM DESIGN PROJECT

Digital code lock system

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CSE A, 2nd Year

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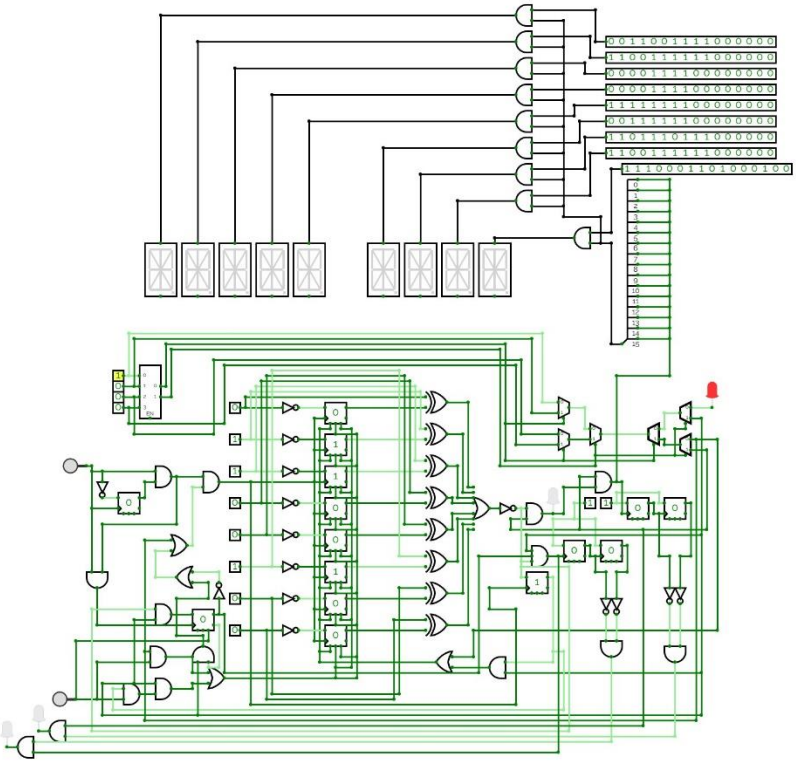
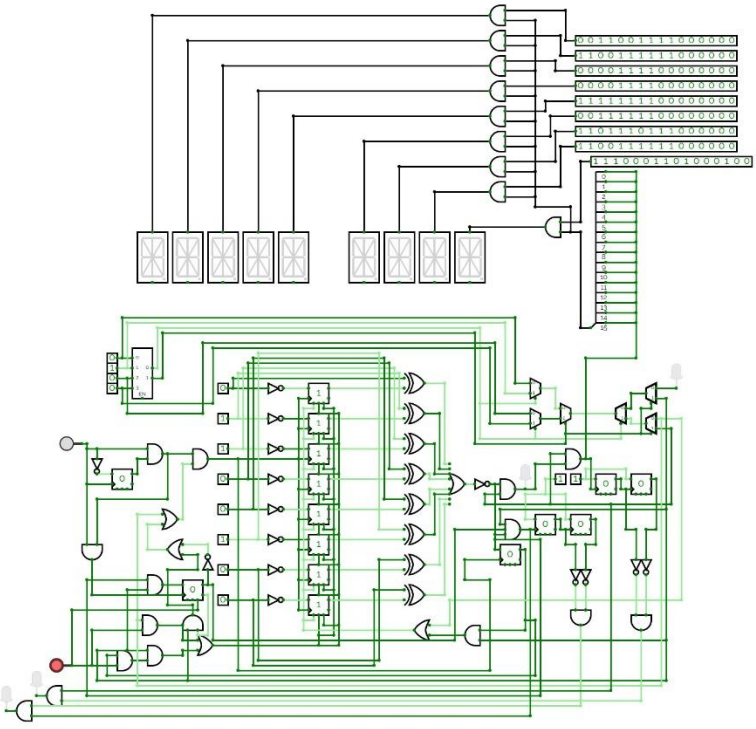
1. Connect

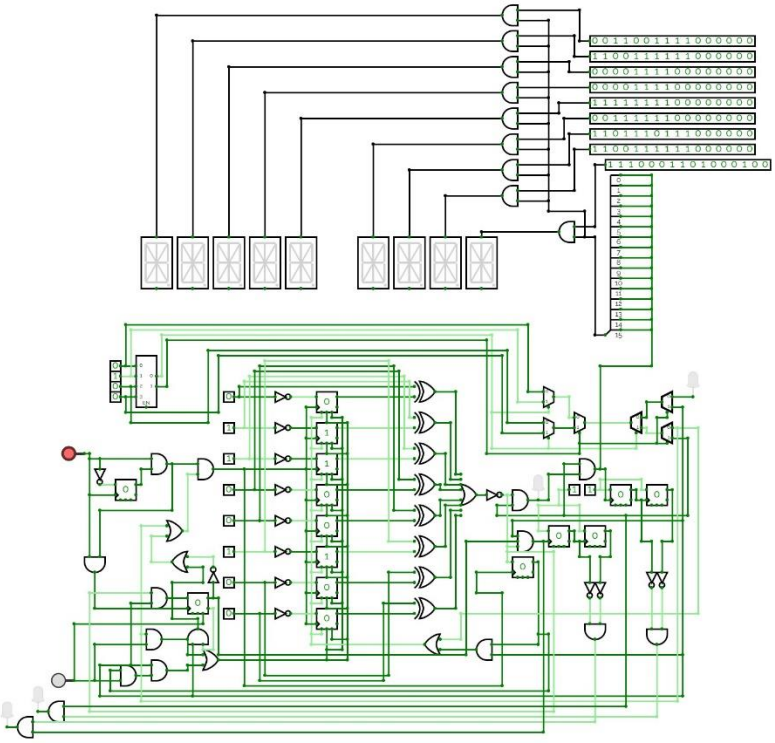


The light at the right indicates the circuit is one, and no function can be performed right now

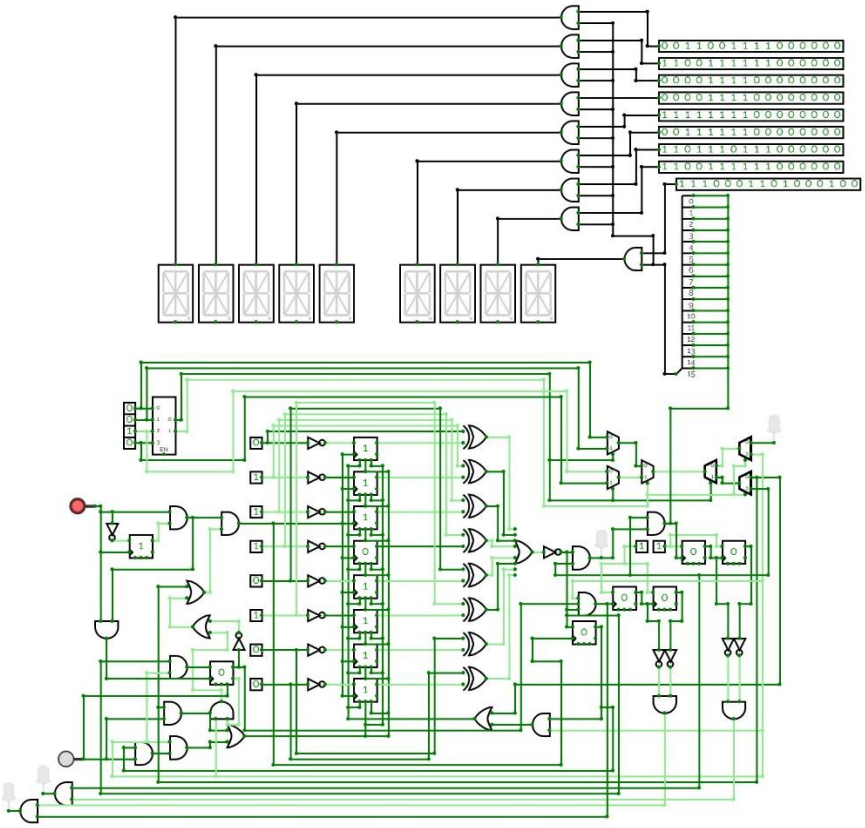
2. Set Password



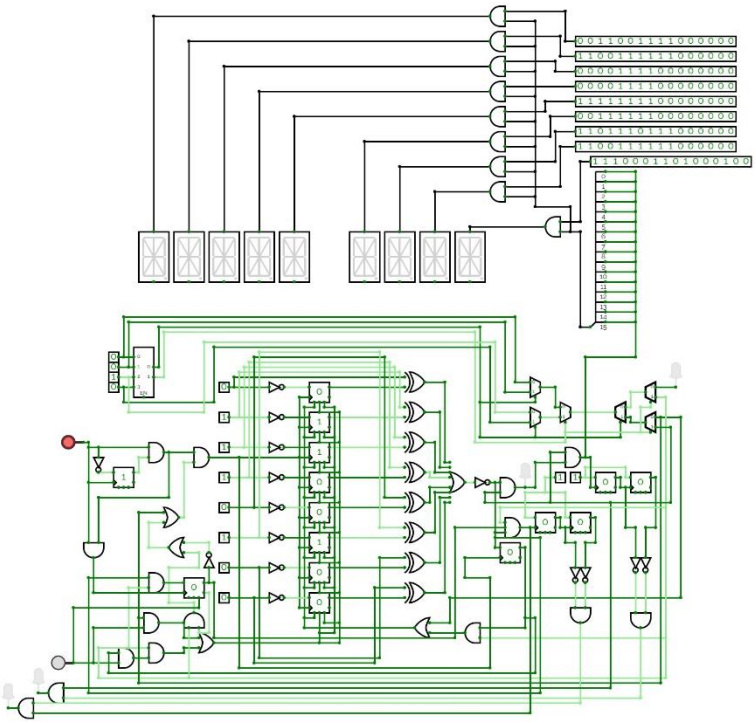
To set the password, the circuit is cleared at beginning and then a password is set.



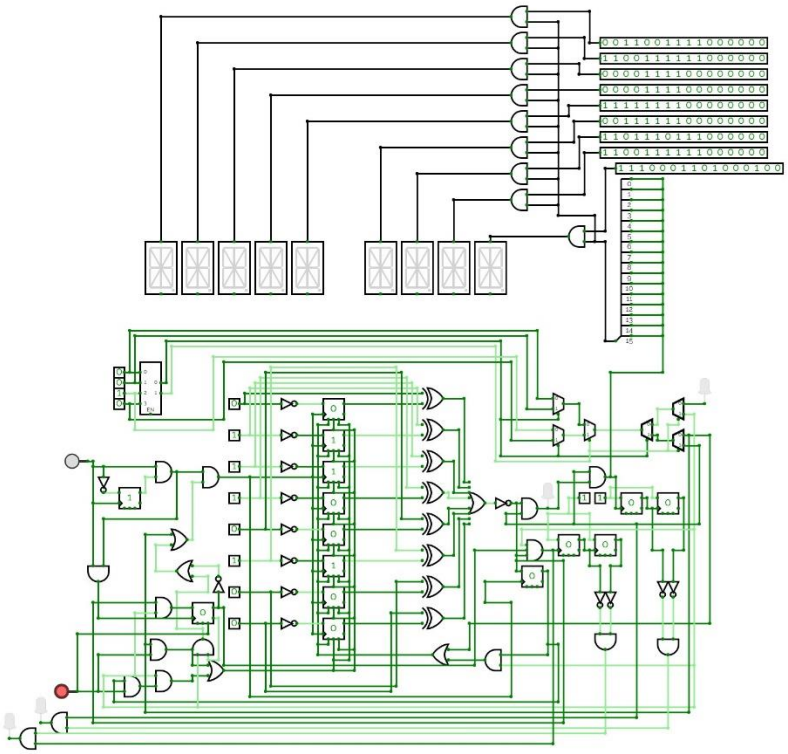
3. Reset password



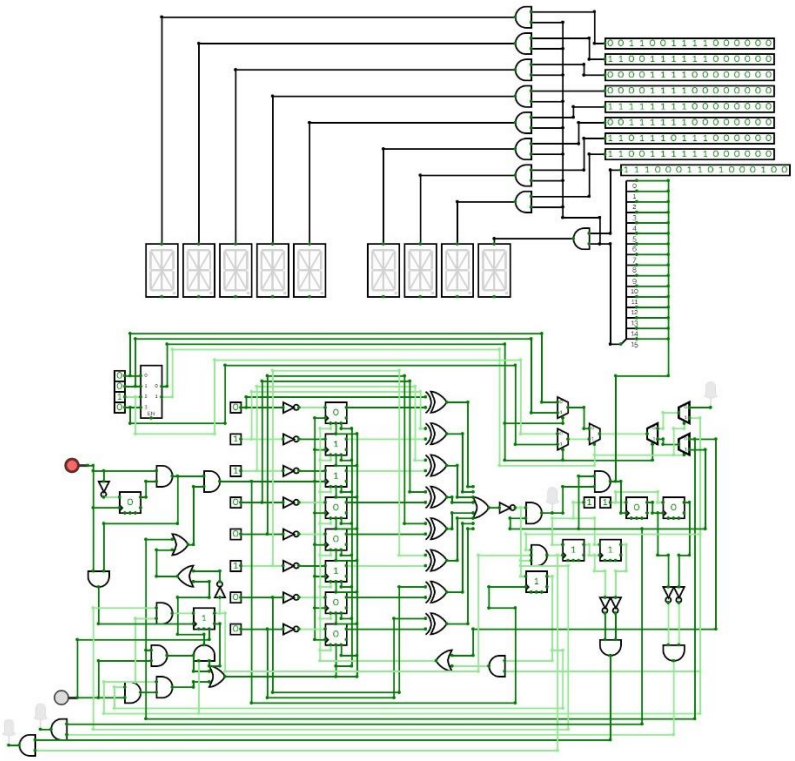
When trying to reset password, the password should match with the stored password to change the password

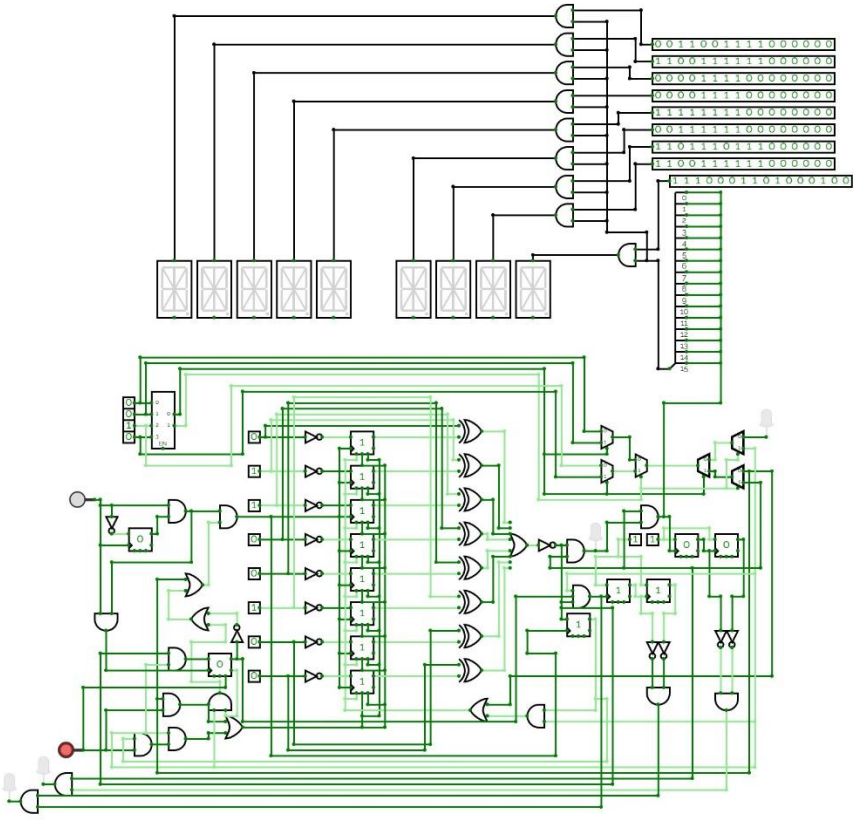


It can’t even be cleared without entering correct password

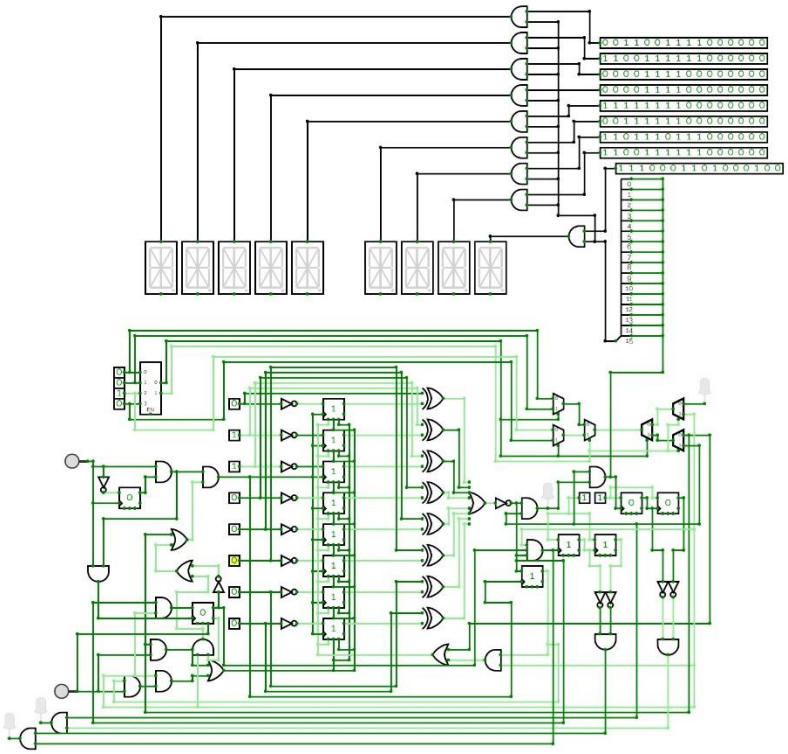


When same password is set as the stored password then password can be cleared

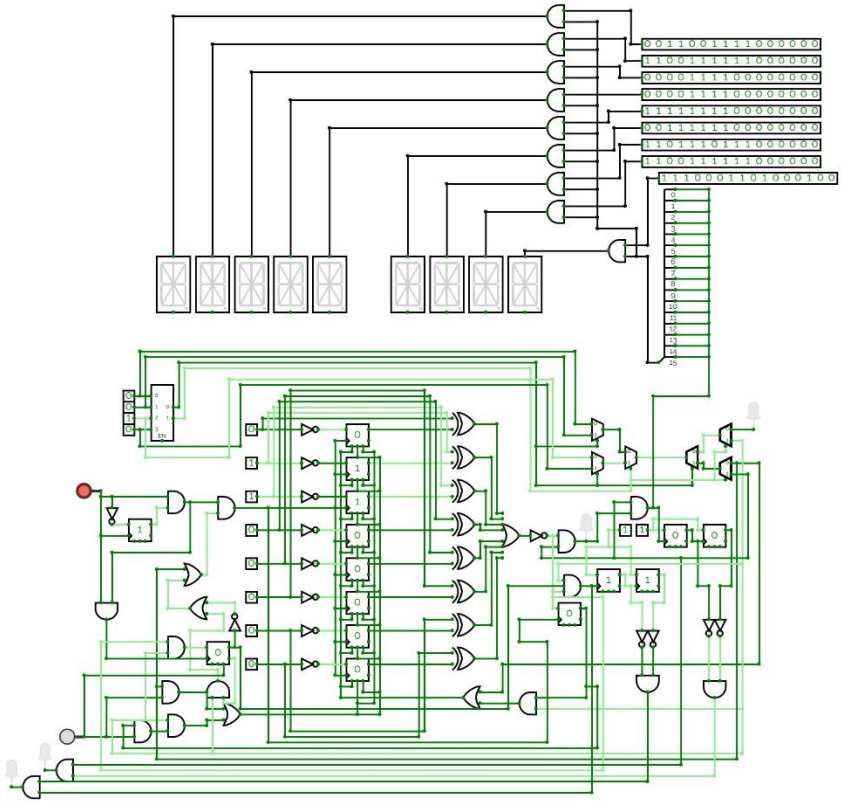




So, the password can be cleared to reset by entering correct password and new Password is entered to be reset

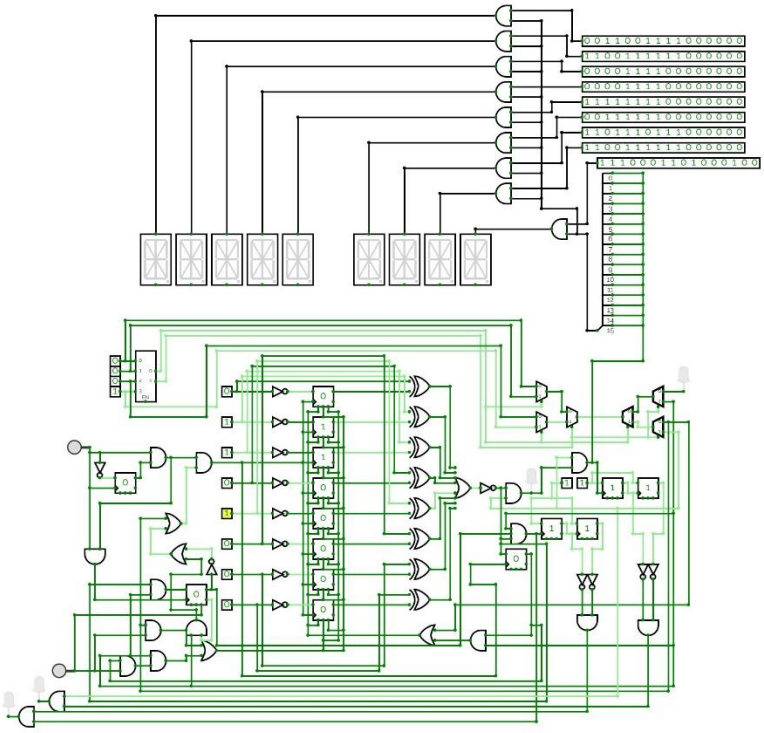


And the new password is reset

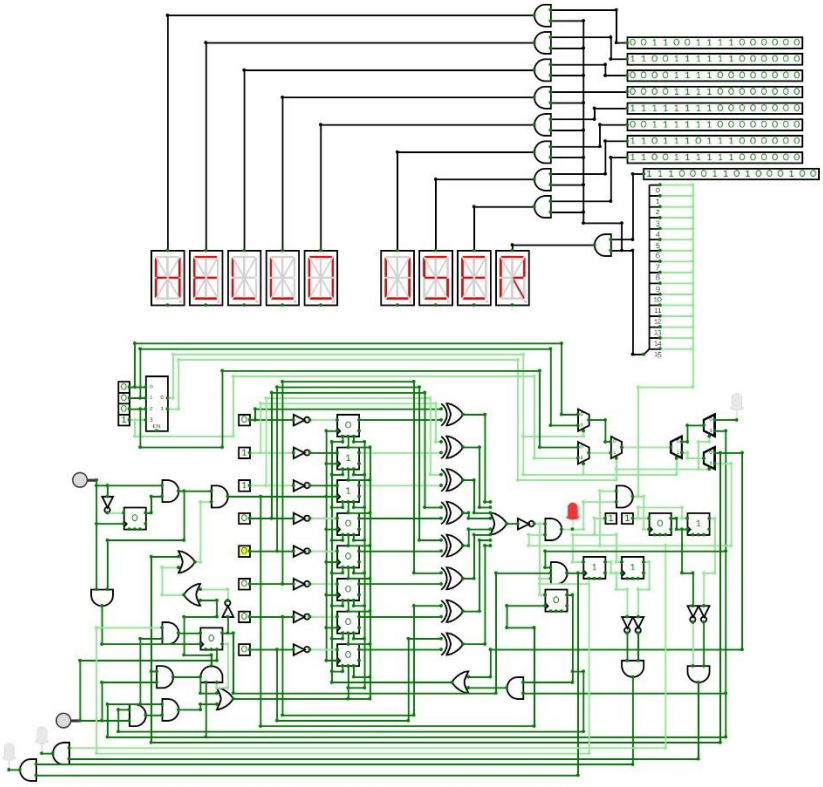


It is not possible to change or reset the password by entering a wrong password

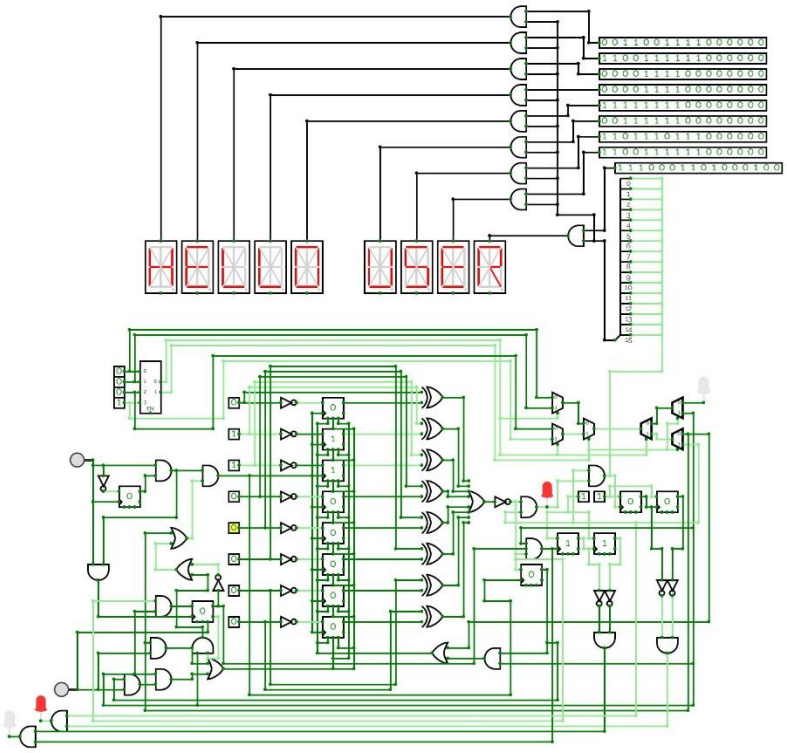
4. Password check and entry



When wrong password is entered nothing happens



When correct password is entered, text “HELLO USER” is displayed



When password is entered 4th time, it shows a alert, that it has been 4 times the password has been tried

This System helps to set, reset and verify password

Conclusion:

The Digital Code Lock System isn't merely a gatekeeper; it's an embodiment of reliability and security in the realm of access control. The symbiotic fusion of combinational logic for password verification and user-centric features like password setting and resetting establishes it as a versatile, user-friendly, and indispensable solution applicable across diverse domains.