

Objective

Design

Results

Conclusion

Questions

1. Include the source code with comments for all modules you simulated and/or implemented in lab. You do not have to include test bench code that was provided! Code without comments will not be accepted!
2. Include screenshots of all waveforms captured during simulation in addition to the test bench console output for each test bench simulation.
3. Answer all questions throughout the lab manual.
4. A possible attack on your combination-lock is a brute-force attack in which every possible input combination is tried. Given the original design with a combination of three numbers between 0 and 19, how many possible input combinations exist? How about for the modified design with a combination of four numbers?

Student Feedback

1. What did you like most about the lab assignment and why? What did you like least about it and why?
2. Were there any section of the lab manual that were unclear? If so, what was unclear? Do you have any suggestions for improving the clarity?

3. What suggestions do you have to improve the overall lab assignment?