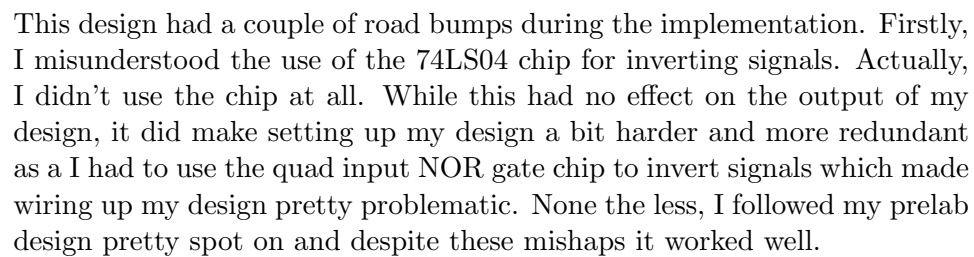
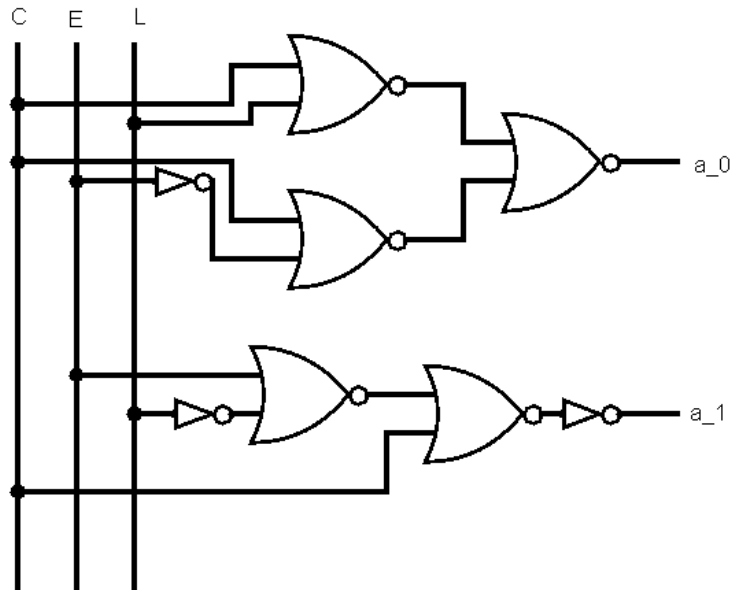


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Display Driver

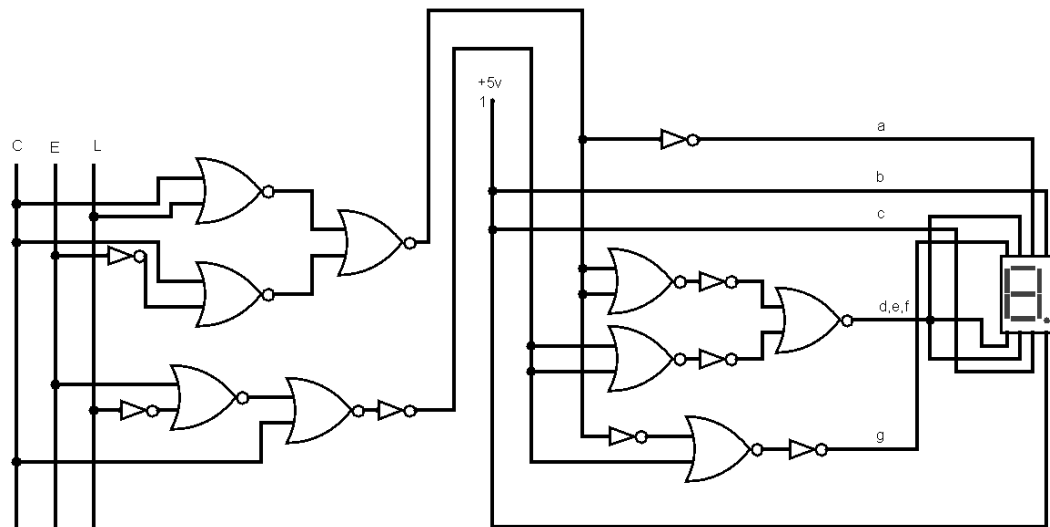


Custom Priority Encoder



This implementation went a lot smoother. For one, I did (with the help of my lab TA) discover the use of the 74LS04 chip which made inverting signals a lot easier and wiring a lot less of a pain. However, this design did slightly vary from the design in my prelab. With my prelab, I made an error in designing the output circuit for a_0 , that error was corrected in this final design.

Final Design



Overall this lab went pretty smoothly, I was able to follow my prelab design pretty closely which allowed me to just focus on making sense of what was physically happening on my circuit. This lab was pretty enjoyable as I've always wanted to learn more about how 7-segment displays work.