Ericson Demo

Assignment 7

Observations

This program probably took about 5 hours but it’s hard to say, I did this over multiple days, this includes time reading about how the shift add algorithm works. From this lab I learned about the shift add algorithm, I think this is also called booth’s algorithm I may be wrong that one may handle negative, I learned how to use the shifts and also how to check the least significant bit or the bit on the most right, that part was probably the most challenging part of this assignment, everything else was pretty straight forward. The only real trouble I had was I made an infinite loop doing then shift add algorithm, this was because I was not checking if the multiplier was 0 properly, after I got that figured out everything went smoothly. One other challenge I faced was understanding how the andi instruction works. Once I understood that it’s just and operation and then storing the results it made it a lot easier to understand.