

Joshua Lass - Individual Report

Group Details

Group 18

Joshua Lass UIN - 531009387

Teammates

Lucian Chauvin UIN - 133003371

Bjorn Quarfordt UIN - 230003985

List of Parts Designed

Designed and implemented the execute module. Added a 20 clock cycle to each individual module to make them cohesive. Wrote all the C and Assembly code. Did a substantial amount of debugging to get the circuit fully functional.

List of Advantages/Disadvantages/Difficulties

My teammates had written up the report for milestone 1, so it was nice to be able to design my execute module around the transformation tables that they made. We did this assignment milestone by milestone which didn't really give us enough time to make it fully functional for the demo. I had a hard time getting the counters to work in logisim because the current travels slower through the counter and sometimes does an operation twice.

Impressed Design

I am impressed by how neat Bjorn's work was for the register files in the decoder.

I am also impressed by Lucian's work for the use of the counter in the fetch module.