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Lab Report #4

Lab #4: Fetch and Execute Instruction From Memory

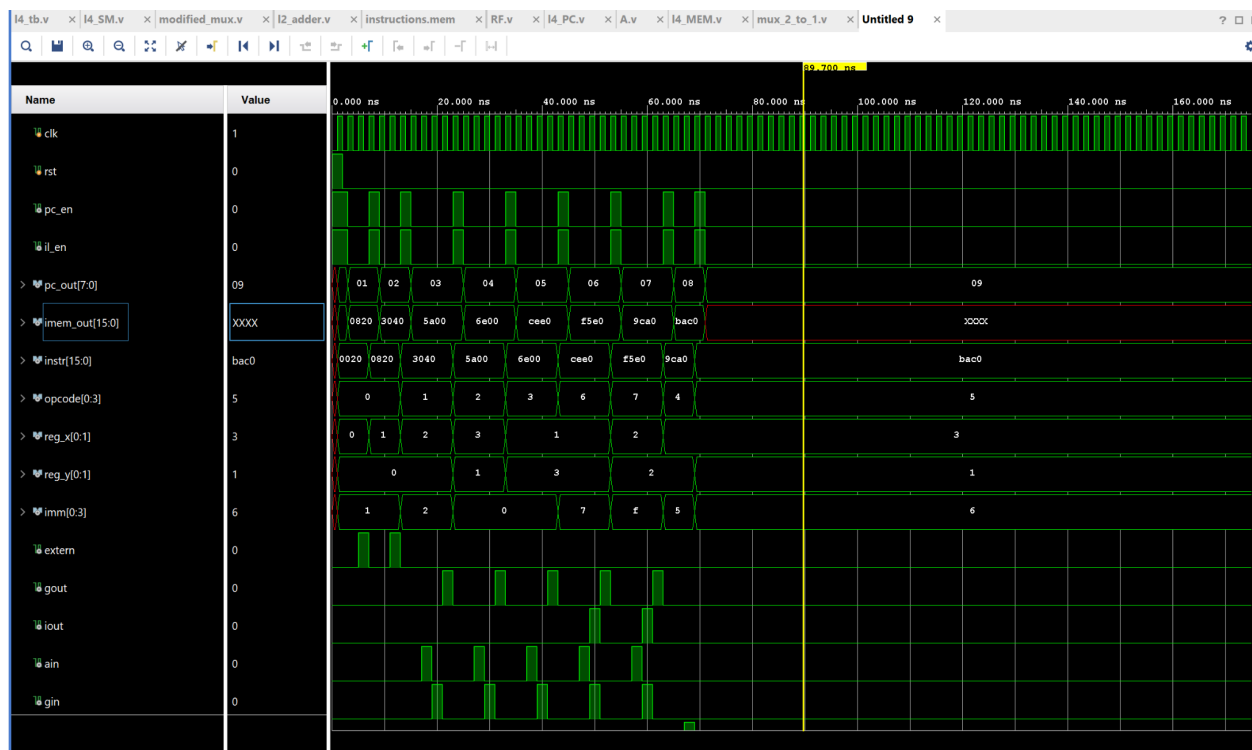
Source Code:

Attached In Camino Submission

Link:

<https://drive.google.com/file/d/1btXWnME0jPTT5Qfm6qrEKQGqOSlKHcHW/view?usp=sharing>

Waveform:



we should expect in our waveform output, especially as we were basing it on our mislabeled instructions. While we were trying to find the problems in the operations, he helped us see that we were incorrectly interpreting our inputs. We didn't think of these errors by ourselves because we did not know what to expect and therefore couldnot analyze the output correctly.

What would happen if you did not implement the halt instruction?

This would be problematic because, without an execute input, the instructions would continue to loop and give repeated outputs. The alternative would be to add the halt instruction which prevents the constant looping output.