



**2020-2021 Spring Semester
Project Report**

Course: CS223-01

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Lab: Project

Date: 6 May 2021

Trainer Pack: 19

A) Controller HLSM Diagram

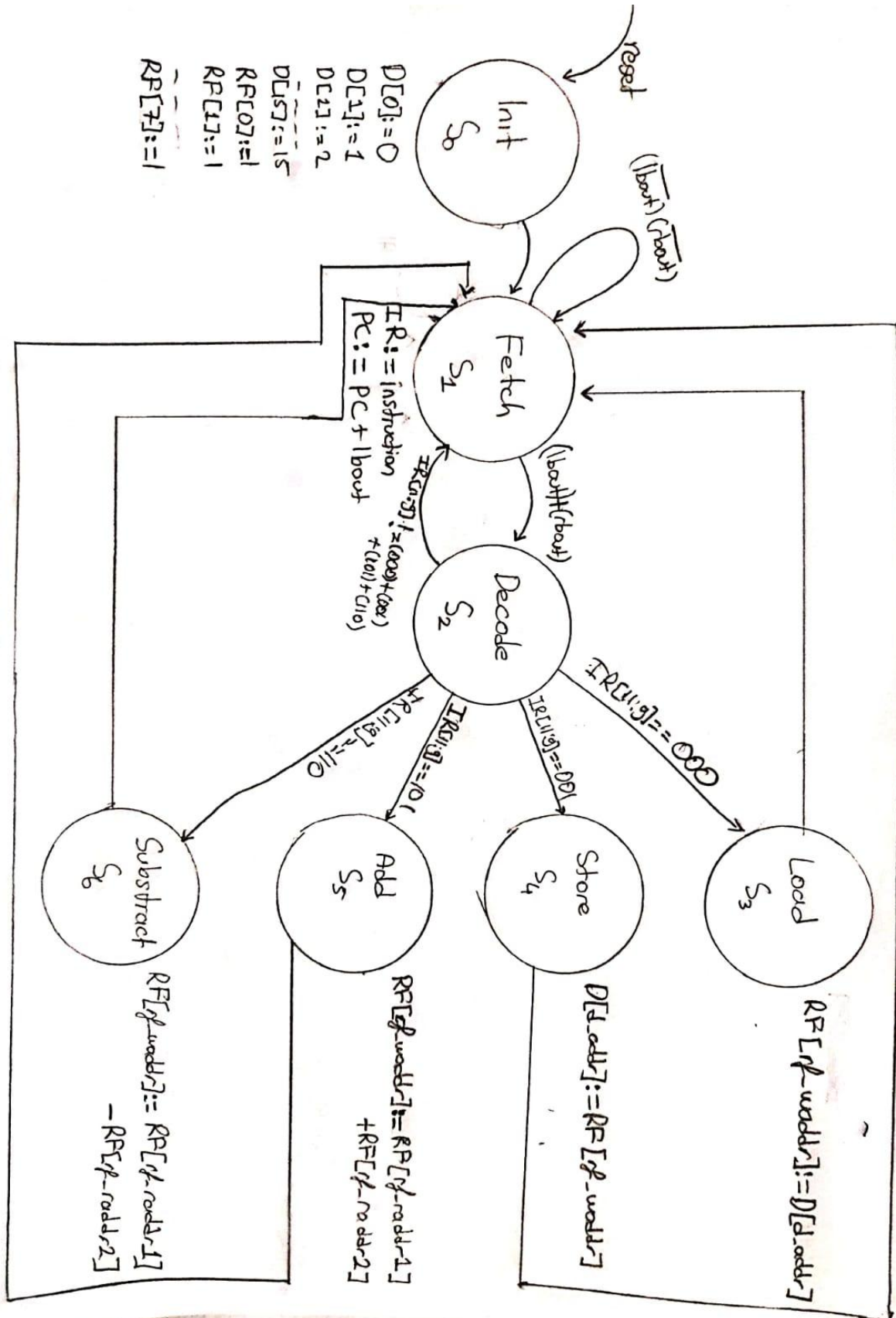


Figure 1: Controller HLSM Diagram

B) Controller Block Diagram

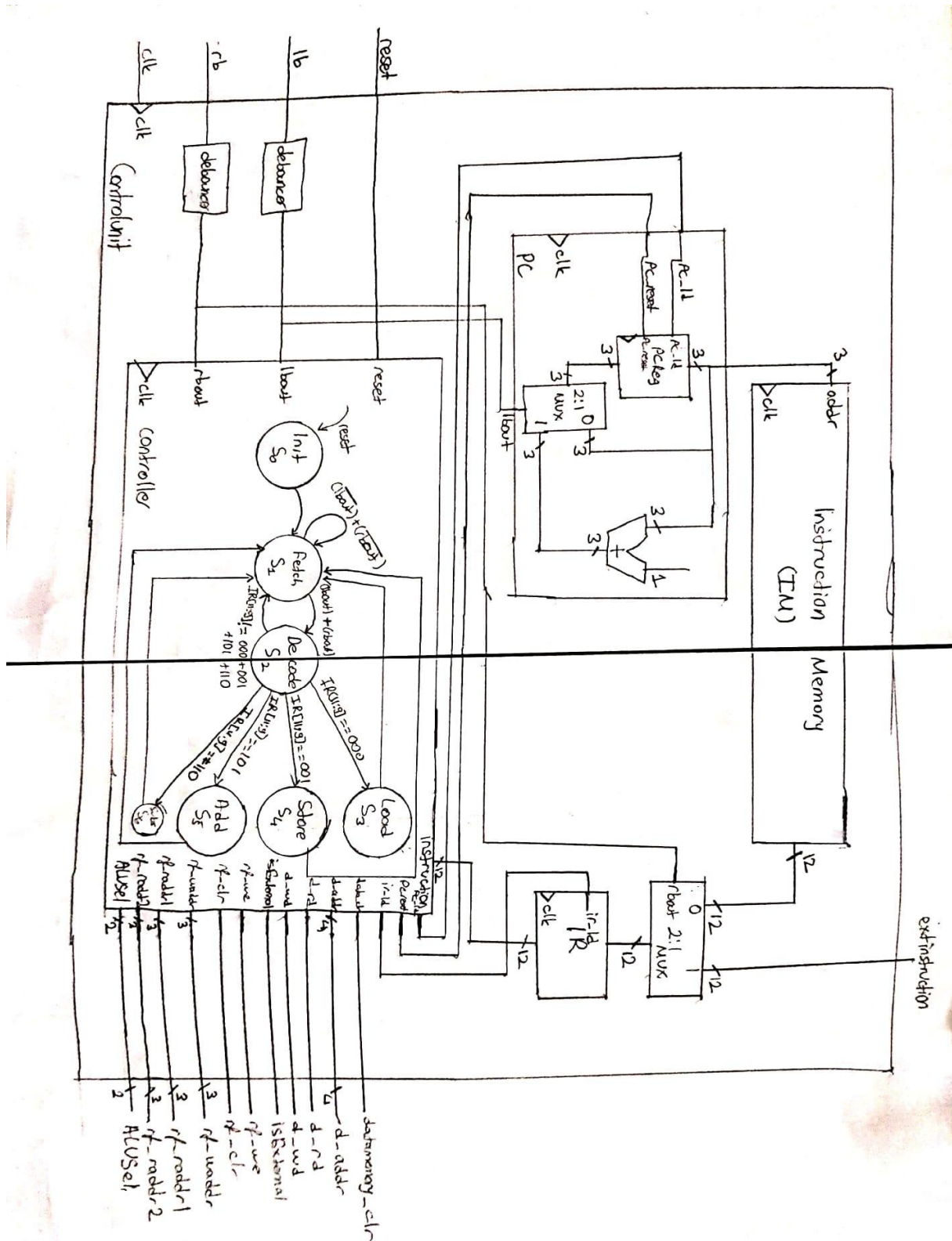


Figure 2: Controller Block Diagram

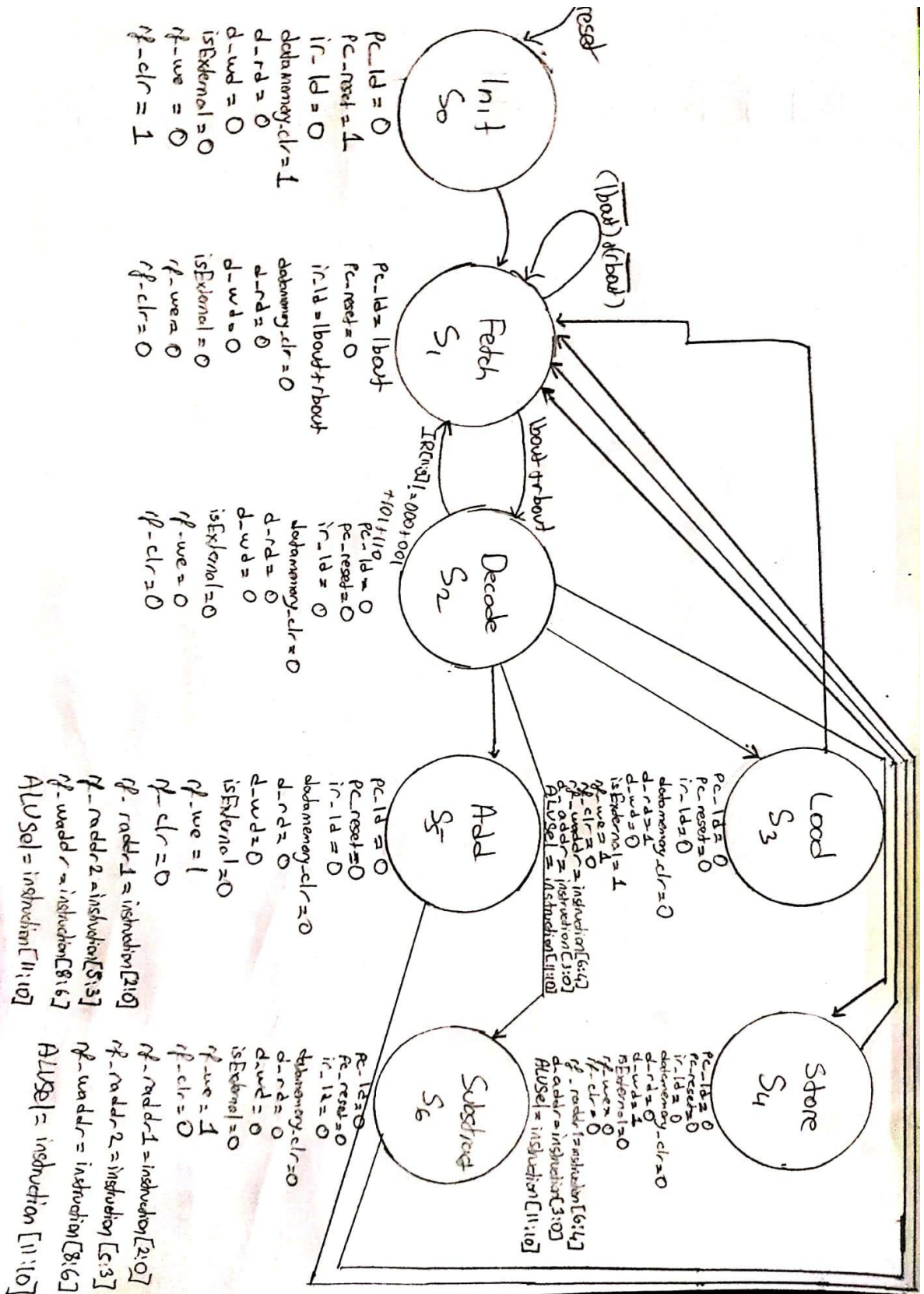


Figure 3: Controller FSM

C) Controller/ Datapath Top Module Block Diagram

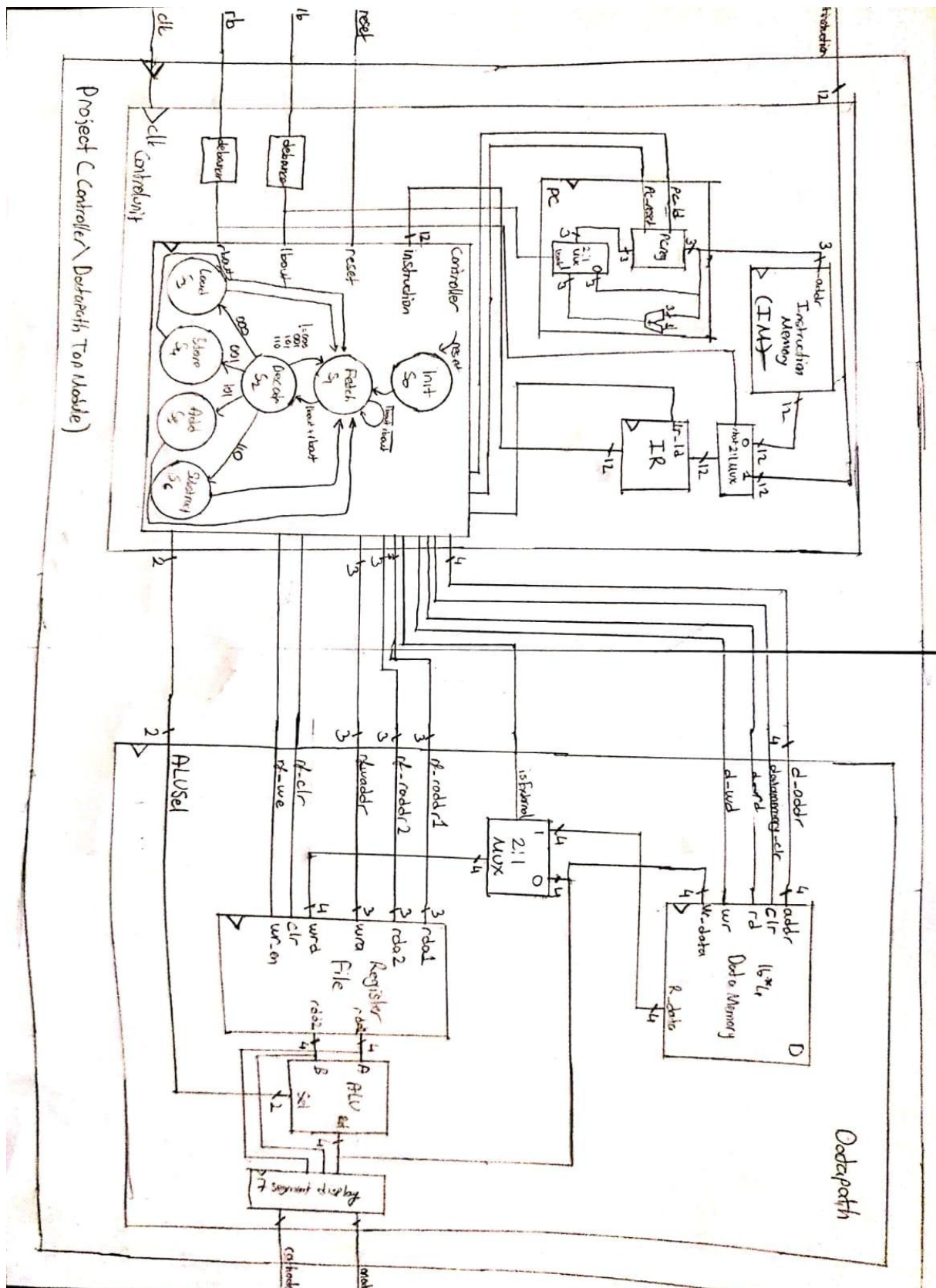


Figure 4: Controller/ Datapath Top Module Block Diagram