Digital Design Project

Project Report

Course Code: CS 223

Course Name: Digital Design

Section: 1

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Surname: İynem

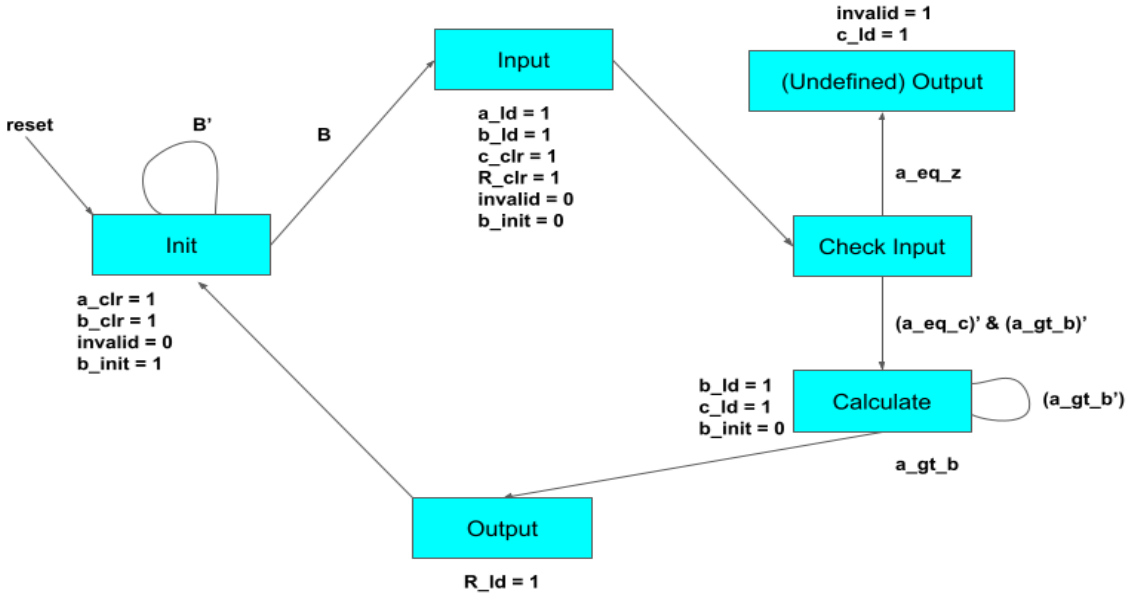
Student ID: 22002717

Date: 09.05.2022

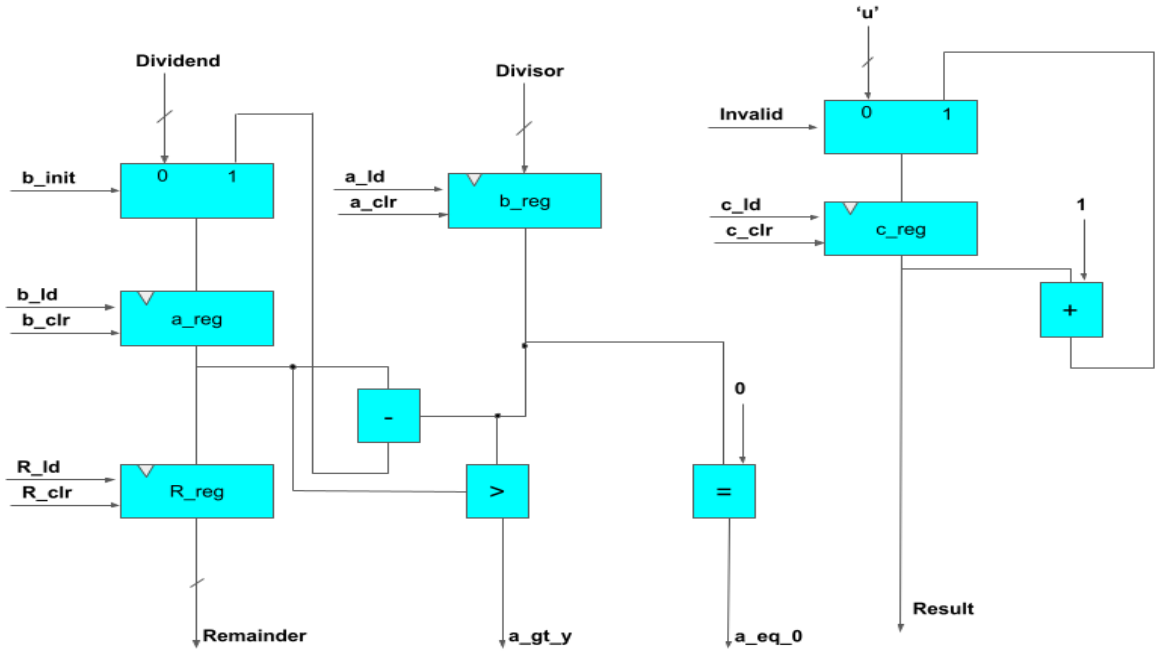
RTL SCHEMATICS

DIVISION CONTROLLER AND DATAPATH

b) RTL schematics for Division Controller



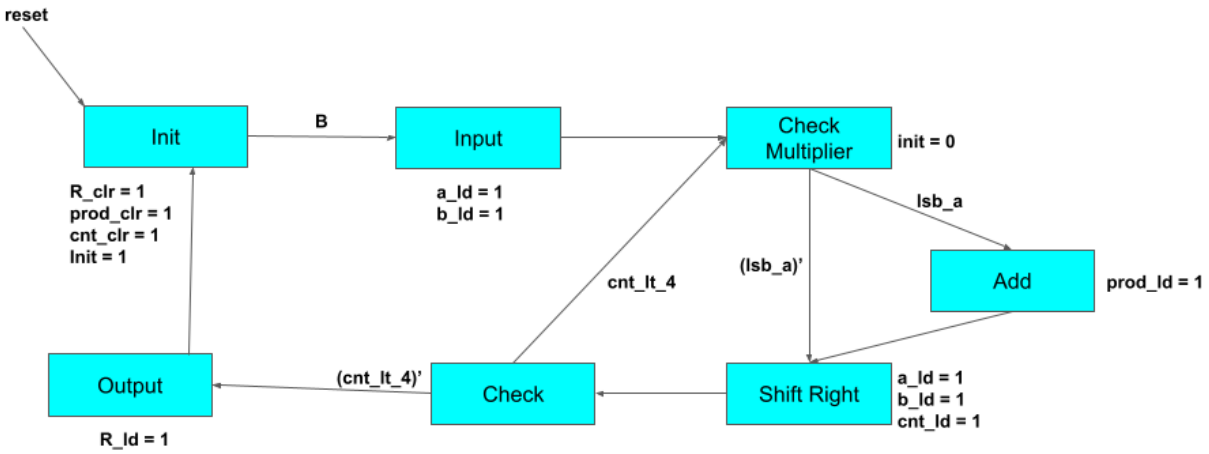
b) RTL schematics for Division Datapath



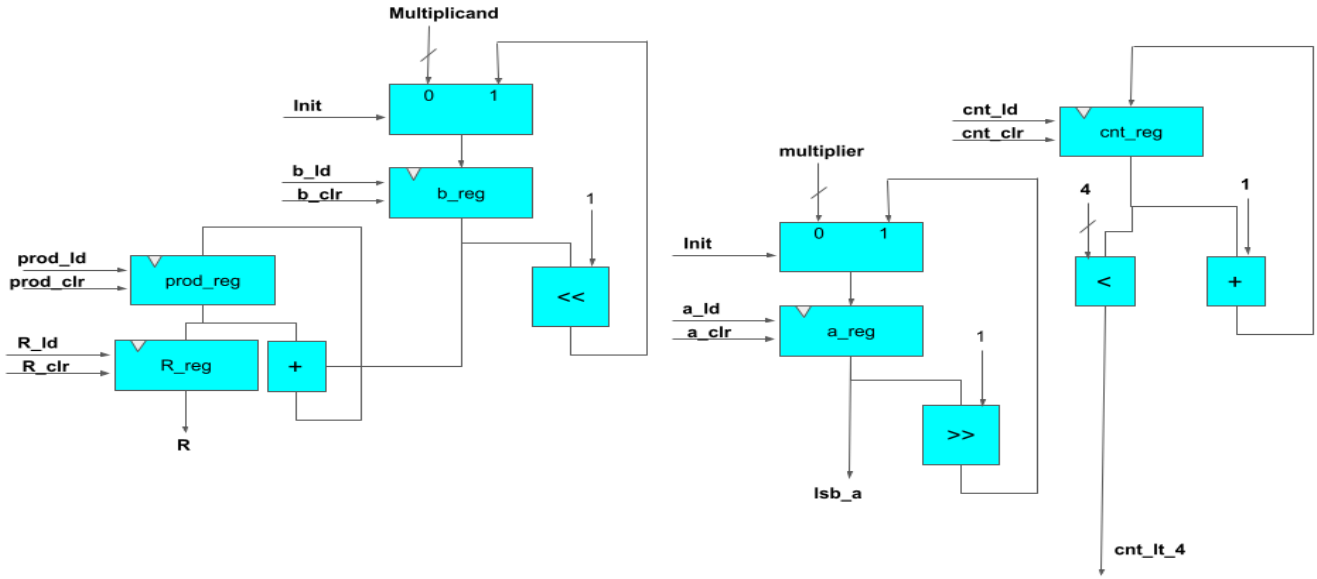
RTL SCHEMATICS

MULTIPLICATION CONTROLLER AND DATAPATH

b) RTL schematics for Multiplication Controller



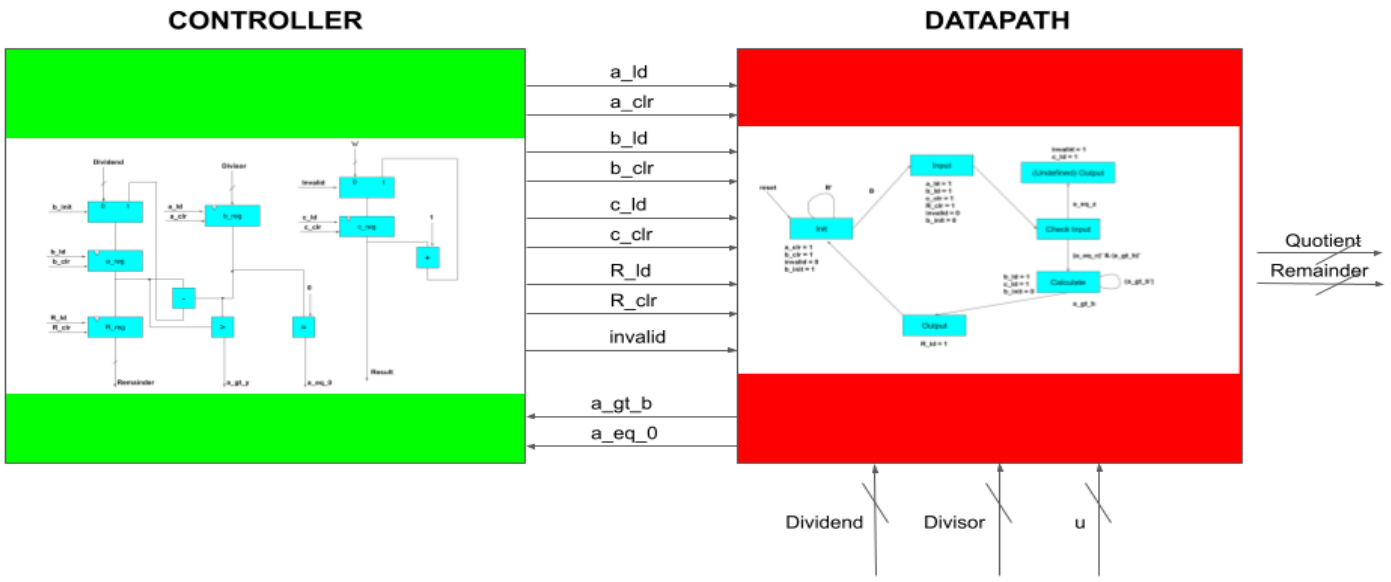
b) RTL schematics for Multiplication Datapath



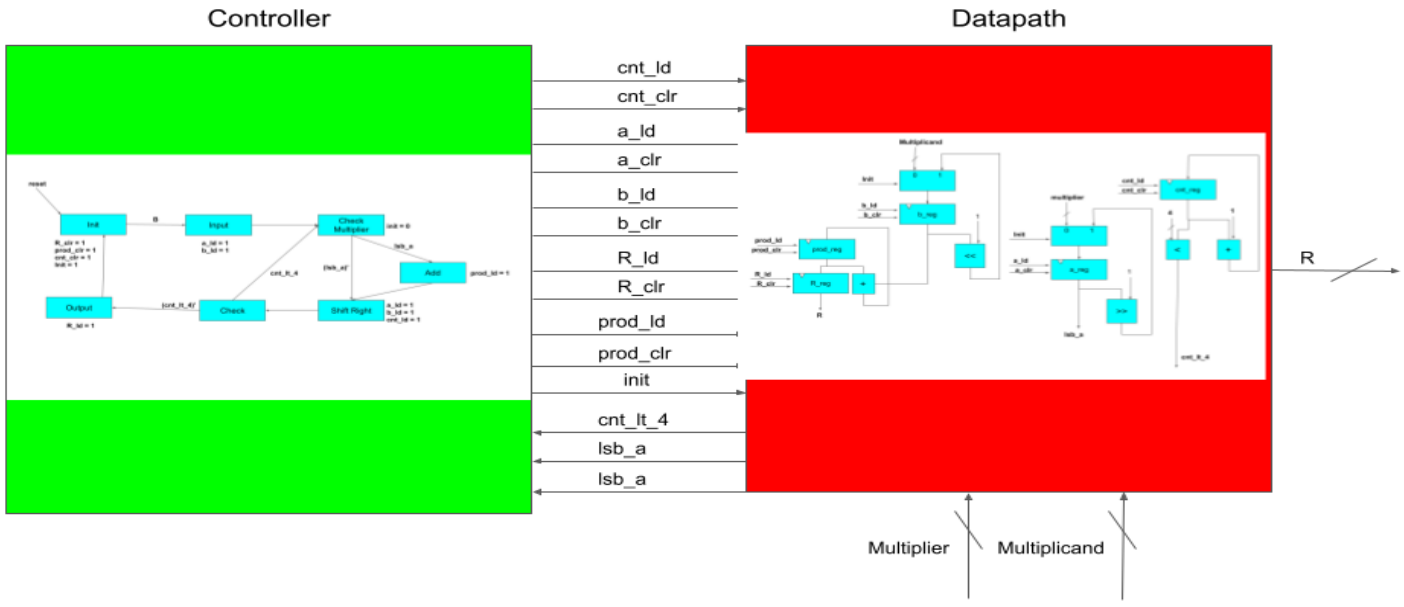
RTL SCHEMATICS

MULTIPLICATION AND DIVISION RTL

b) RTL schematics for Division

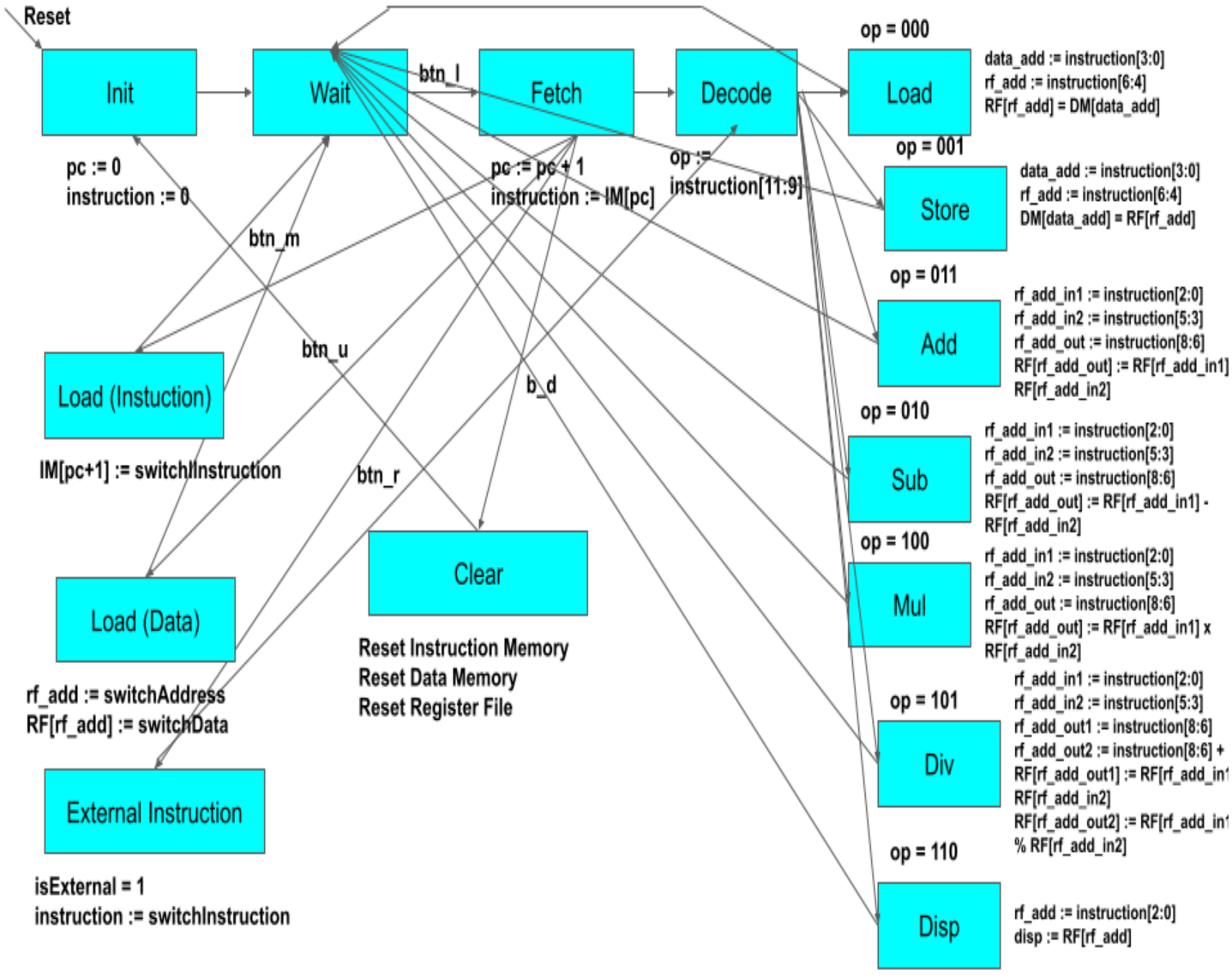


b) RTL schematics for Multiplication



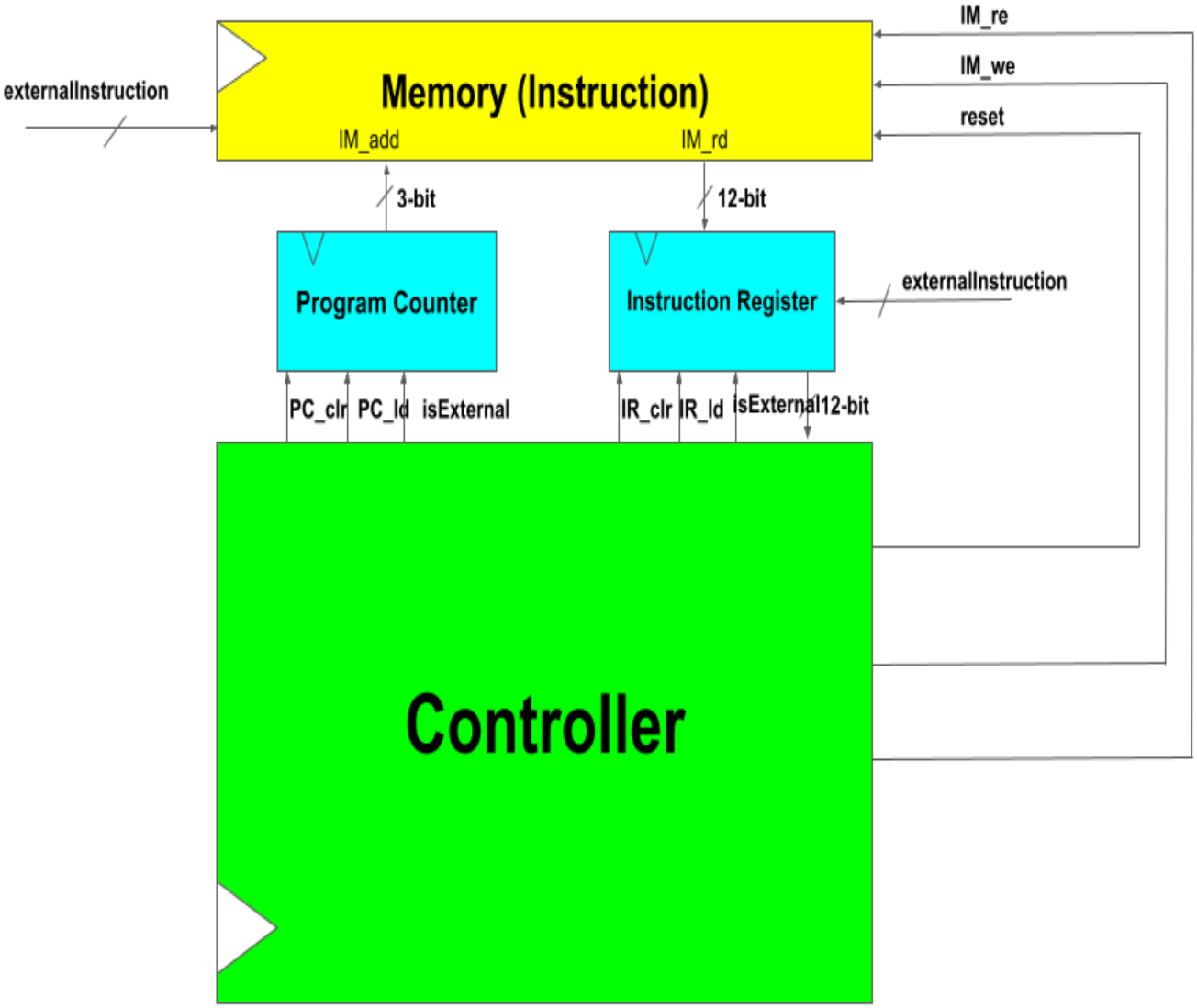
Controller High-Level State Machine Diagram

c) Controller High-Level State Machine Diagram



Controller Block Diagram

d) Controller Block Diagram



Controller/Datapath Top Module Block Diagram

e) Controller/Datapath Top Module Block Diagram