

LAB#1 Report

Demonstration Date : 4 / 15 / 14

Student CID _____580_____

Student Name: _____Adrian_Jimenez_____

first

M.I.

Last

Submission Date & Time : 4 / 15 / 14 10:15 AM

(FILLED BY Student BEFORE DEMO)

Self-test Report

	Working	Not working
Part1:	____X____	_____
Part2:	____X____	_____
Part3:	____X____	_____
Part4:	____X____	_____
Part5:	____X____	_____

(*** FILLED BY TUTOR/INSTRUCTOR ***)

Demo Reviewer
Name : _____

Demo score

_____/1

_____/1

_____/1

_____/1

_____/1

Subtotal

_____/5

Report score

a) ____/1

b) ____/1

c) ____/1

d) ____/1

e) ____/1

Subtotal

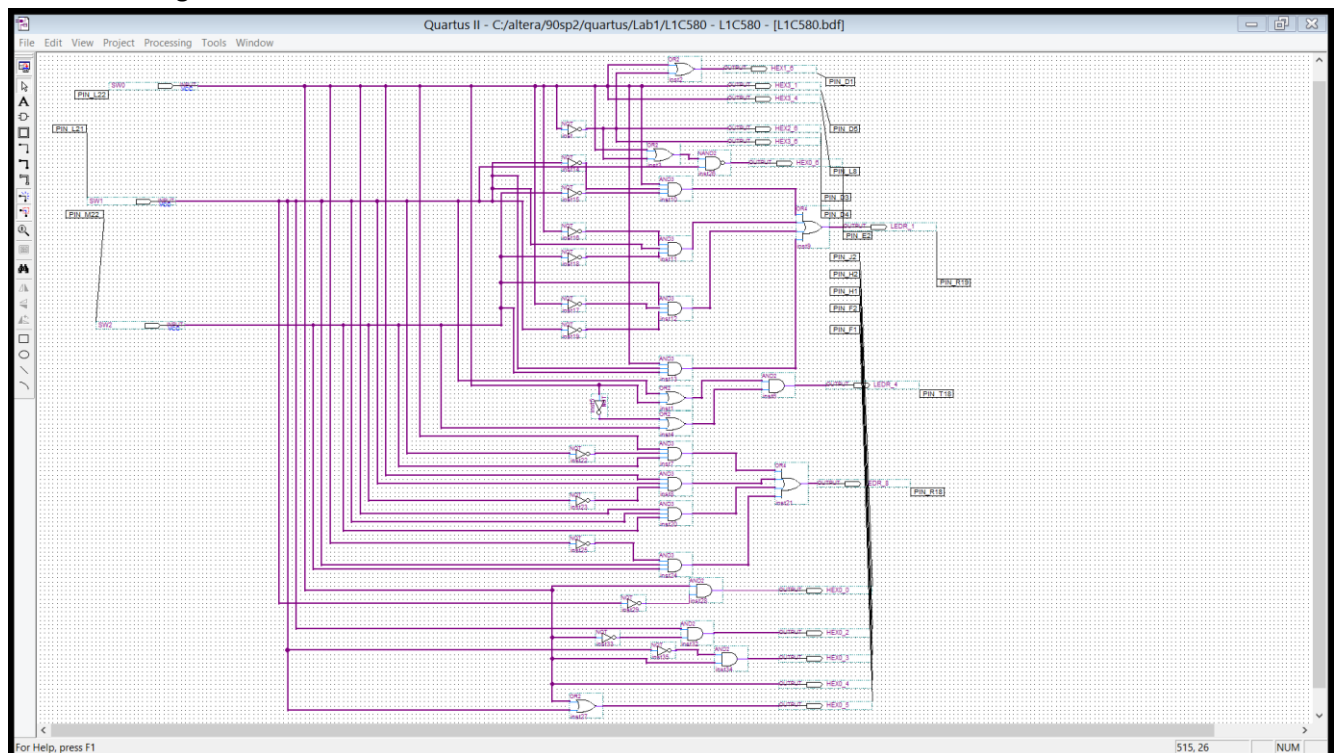
_____/5

TOTAL Score: ____/10

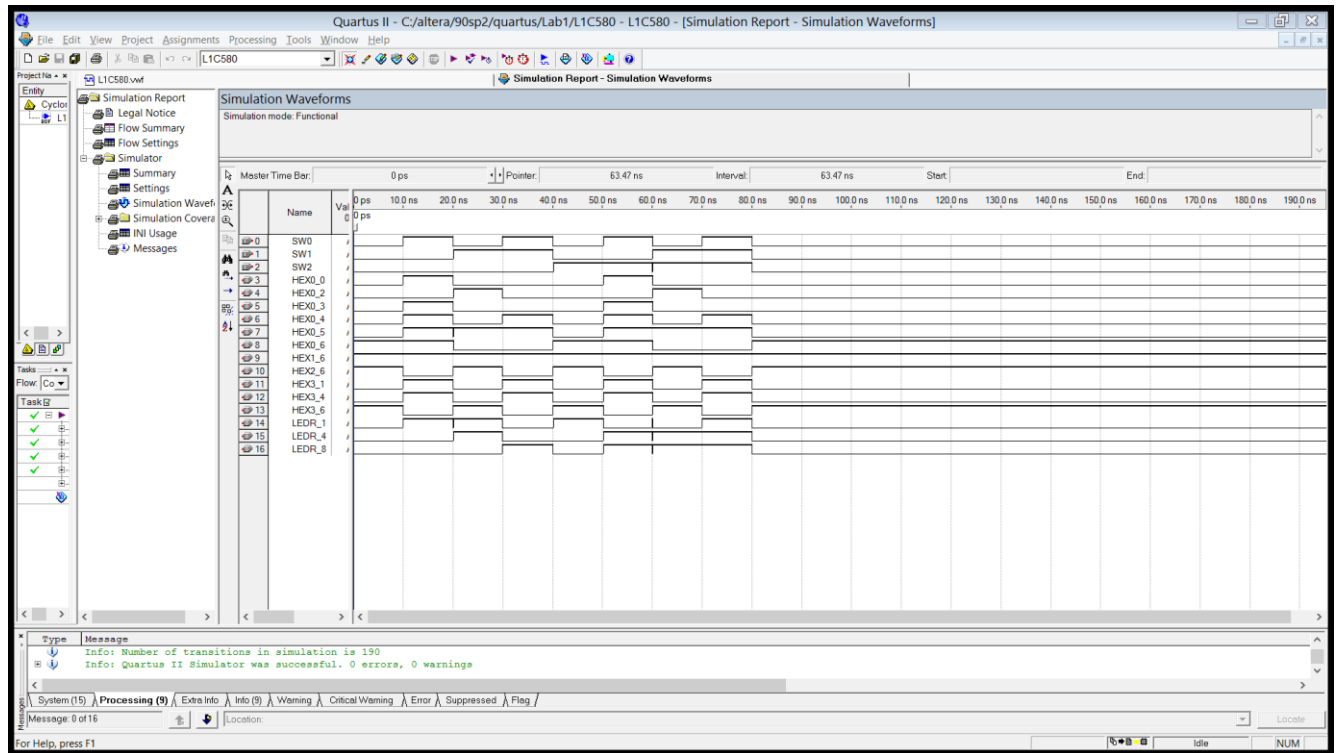
a) Description:

- a. In part one, I used SW0 as my input and logic gates to alter what I needed to change on the HEX Digits which were my outputs.
- b. In part two, I used SW0, SW1, and SW2 as my inputs and used the sum of product from my minterms in order to construct my logic gates in the correct way consistent with the truth table.
- c. In part three, I used SW0, SW1, and SW2 as my inputs and used the sum of product from my minterms from my truth table to construct my logic gates in the correct way.
- d. In part four, I used SW0, SW1, and SW2 as my inputs and used the sum of product from my minterms from my truth table to construct my logic gates in the correct way.
- e. In part five, I used SW0 and SW1 as my inputs and used the truth table for each output that needed to be modified to determine whether to use the sum of product, product of sum or with a logic gate that represented the truth table.

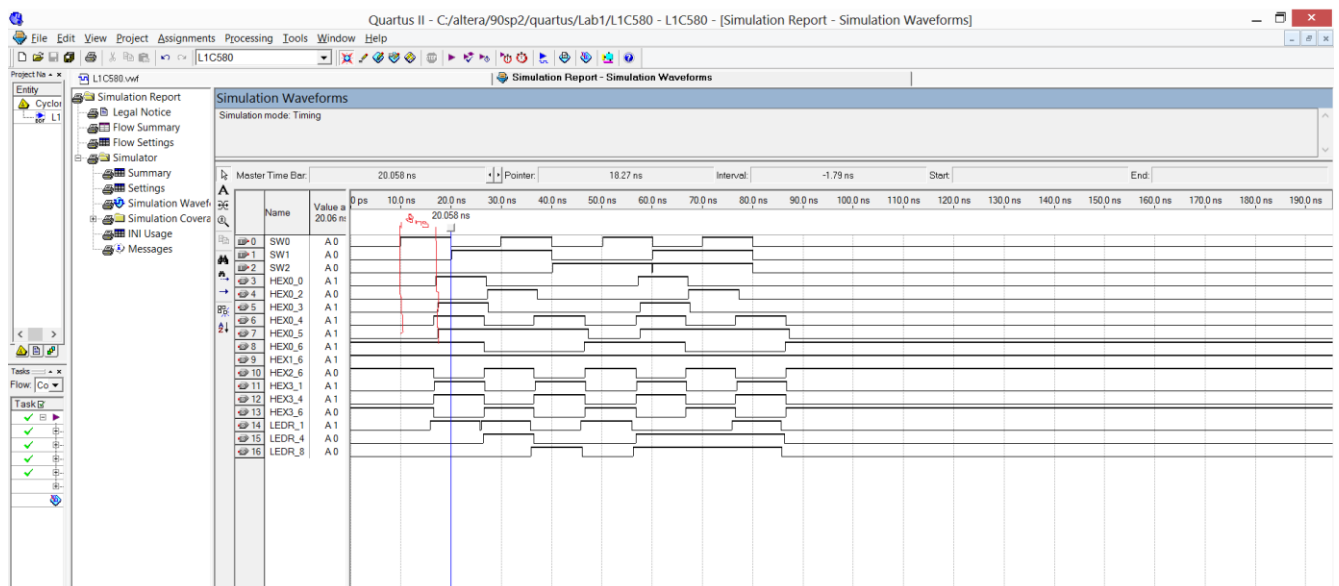
b) Schematic Diagram



c) Functional simulation diagram



d) Timing simulation diagram



e) Timing Analyzer Summary

Quartus II - C:/altera/90sp2/quartus/Lab1/L1C580 - L1C580

File Edit View Project Assignments Processing Tools Window Help

L1C580

Project Navigator

- Entity
 - Cyclone I
 - L1C580

Tasks

Flow: Comp

Task

Compilation Report - Timing Analyzer Summary

Timing Analyzer Summary

Type	Slack	Required Time	Actual Time	From	To	From Clock	To Clock	Failed Paths
1 Worst-case tpd	0.592 ns	8.000 ns	7.408 ns	SW0	HEX0_3	-	-	0
2 Total number of failed paths								0

Version 9.0

[View Quartus II Information](#)

[Documentation](#)

Messages

Type	Message
Info	Device 1 silicon ID is 0x12
Info	Successfully performed operation(s)
Info	Ended Programmer operation at Mon Apr 14 22:56:50 2014

System (9) Processing (54) Extra Info Info (48) Warning (6) Critical Warning Error Suppressed (6) Flag

Message: 0 of 9

Location:

Locate

For Help, press F1

Idle NUM