

# Lab 3 Submission

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# 1 Introduction

The goal of this lab was to design and program a logic circuit that adds two 4-bit numbers and then displays them on the seven-segment display. This lab was a success and I was able to complete all of the tasks.

## 2 Video of Working Project

Linked here is a video of the working project: [Project Video](#)

## 3 Simulation



Figure 1: Vivado Simulation

## 4 Elaborated Design

Presented below is the elaborated design of the project generated by Vivado.

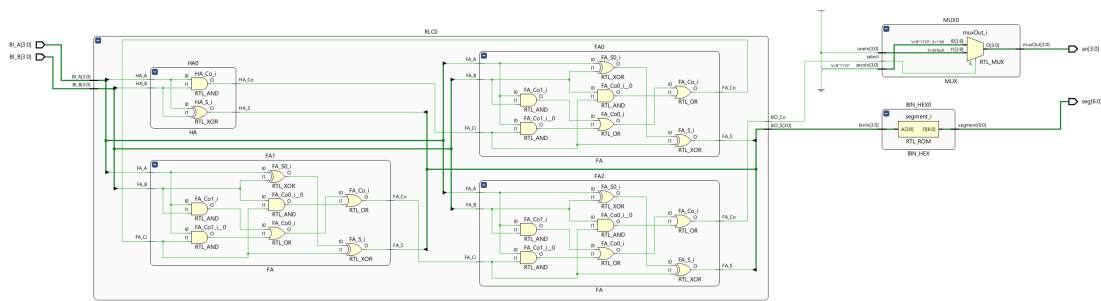


Figure 2: Elaborated Design

## 5 Error Log

There were no errors or significant warnings in the Vivado log as shown below.

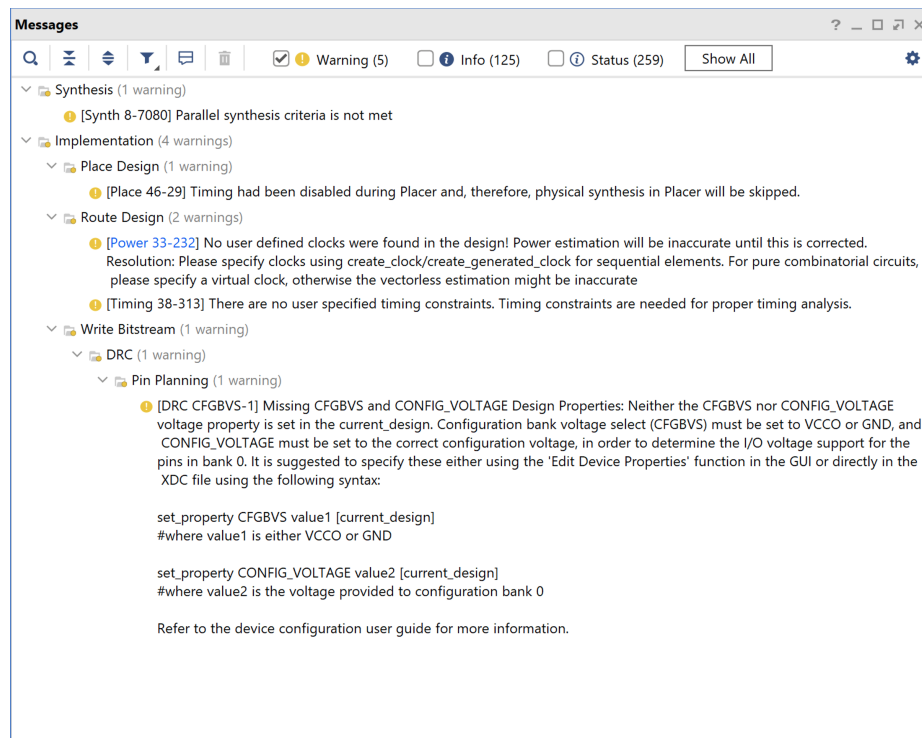


Figure 3: Error and Warning Log