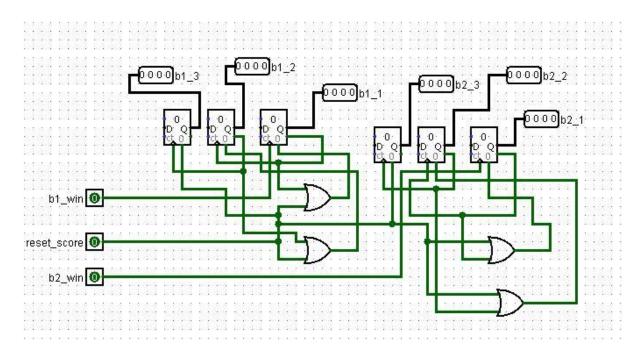
GTU Department of Computer Engineering CSE 232 - Spring 2020 Project 1 Bonus Part Report

Akif KARTAL 171044098

For Project 1 to add score board module I used led a output that is 1 when B1 Win and led g output that is 1 when B2 Win and counters. By using these I incremented B1 score counter if a output is 1 and I incremented B2 score counter if g output is 1.

For this module while creating FSM we don't need add new input or output since we already have a and g outputs, we need to make just a few improvements on simulation which I did.

New Score module in Logisim



Explanation on module

b1_win = a output from control unit(FSM)

b2_win = g output from control unit(FSM)

reset_score = input from user to reset all score

 $b1_x = b1$ score outputs to show on 7-segment led.

 $b2_x = b2$ score outputs to show on 7-segment led.

Check following test results.

Test Results

