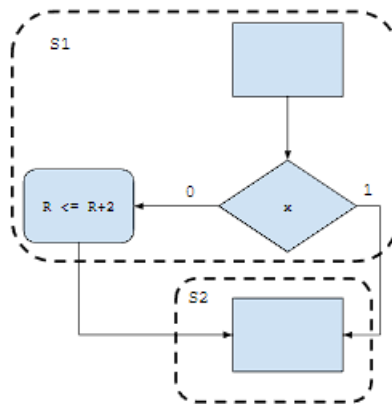


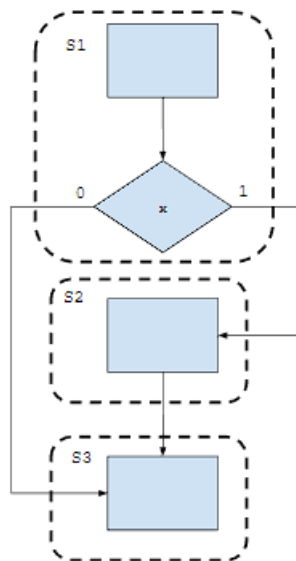
Connor Aksama
February 20, 2023
CSE 371
HW4

Problem 1

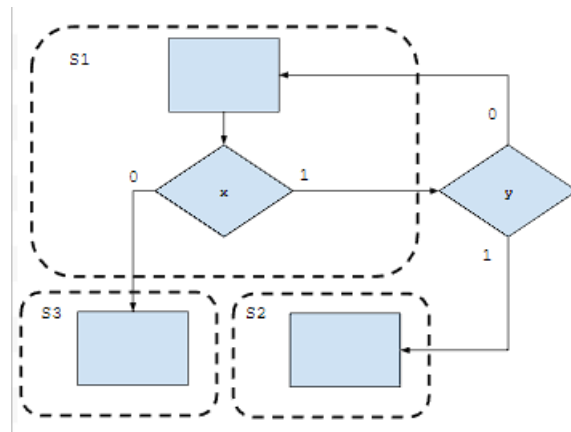
(a)



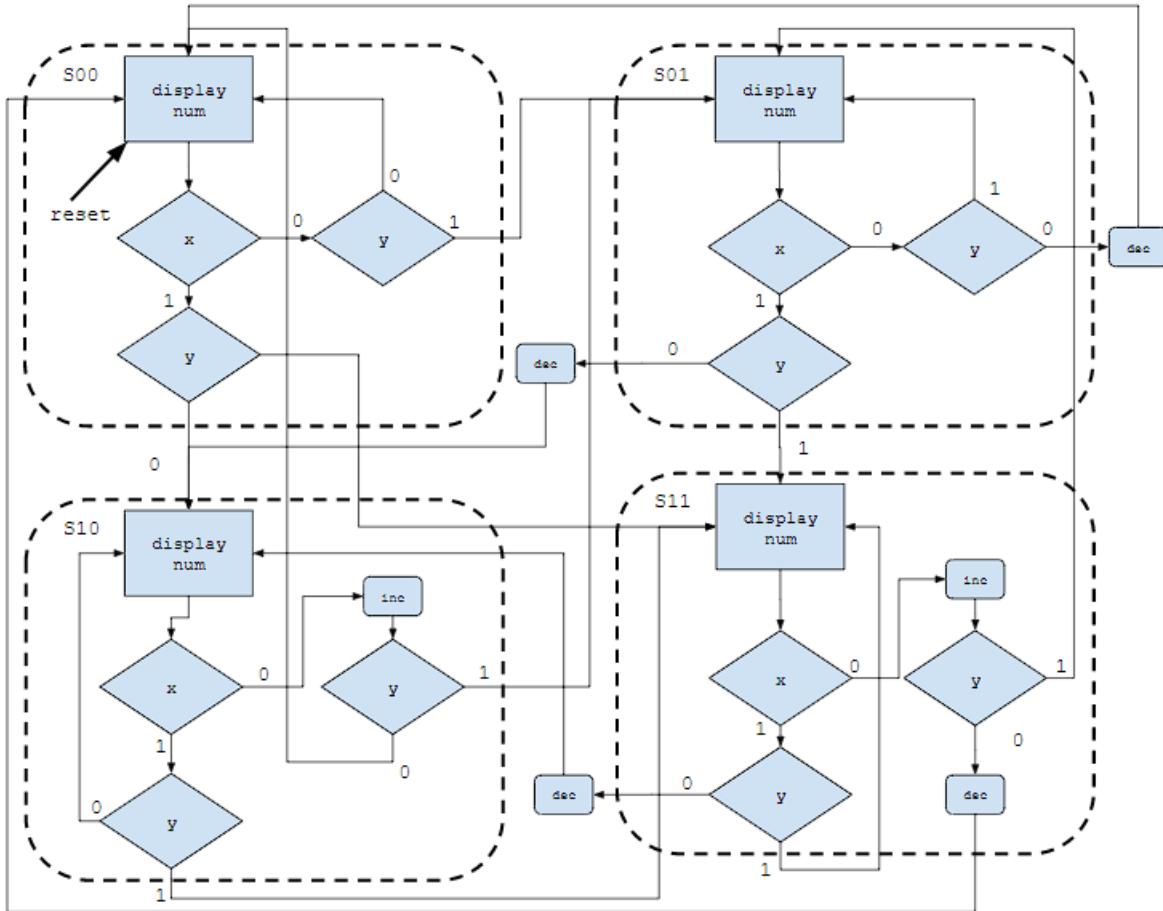
(b)



(c)



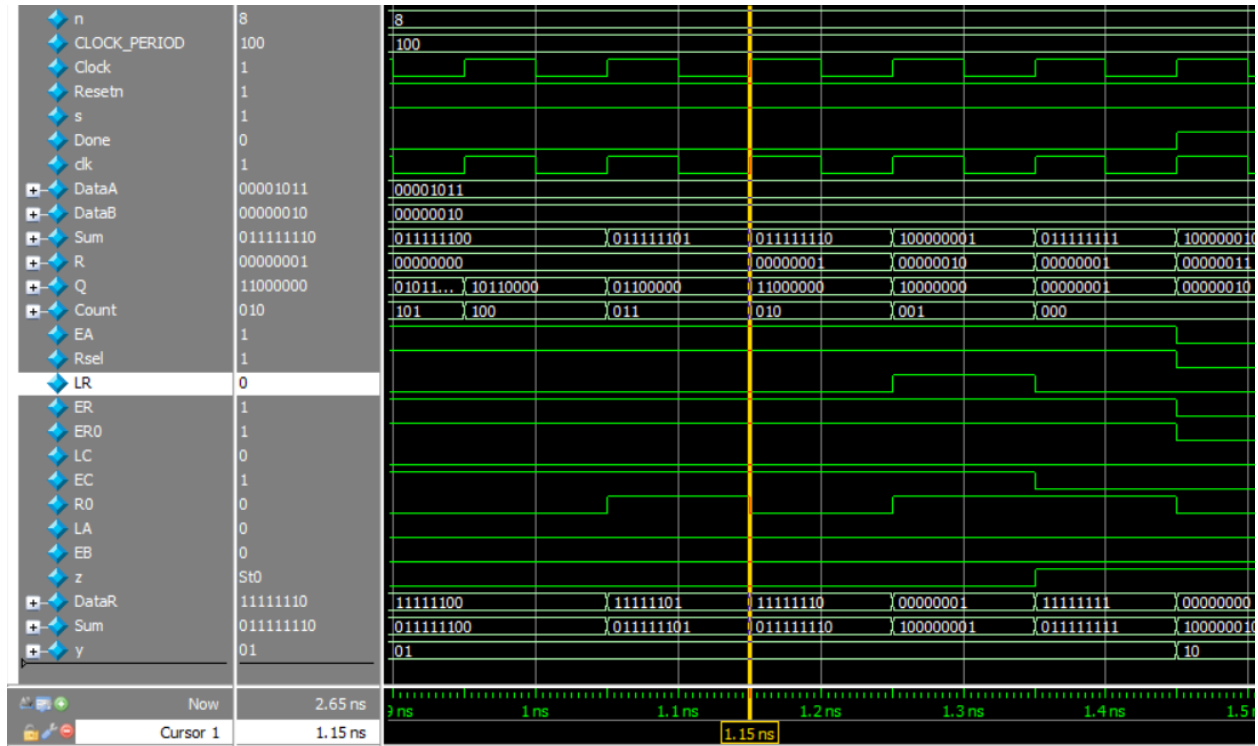
Problem 2



The control signal “inc” increases the counter by one, the control signal “dec” decreases the counter by one. The signal “display num” updates the display to the current value of the counter, which resets to zero.

Problem 3

One of the main problems I encountered with the given code was that incrementing the counter and summing values was not working the way that was expected. At the point where the cursor is in the screenshot below, the sum should be 2. Because of this, the LR signal is raised one cycle too late.



Time Spent: 4 hours

Difficulty: Moderate