Quiz #15 CpE 100 Spring 2021   Name:_____
Open book and closed notes.
Show your work for credit and place a box around your answers.

1. Sketch the state diagram for the light controller in Section 3.4.1 if the lights only turn green and
    red, that is, there is no yellow light. How many D Flip-Flops would be needed to implement this
    state machine? (4 points)