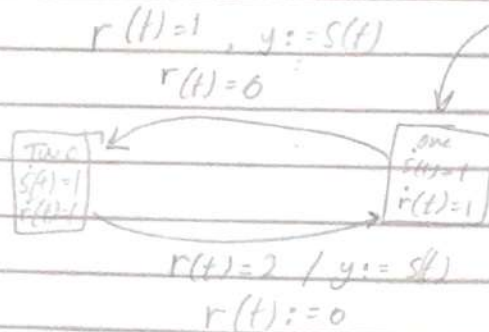


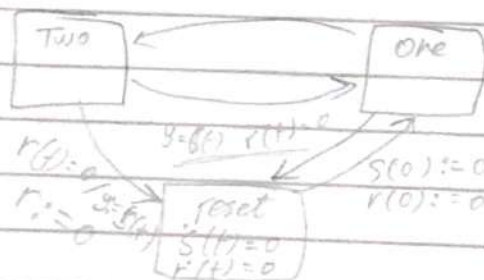
Chapter 4: Question 2) a)

Continuous: r, s & Output y $S(0)=0$
 $r(0)=0$



$y = S(t)$ always $y = \int \dot{S}(t) = 1$
 $y = t$

b)



Question 8:

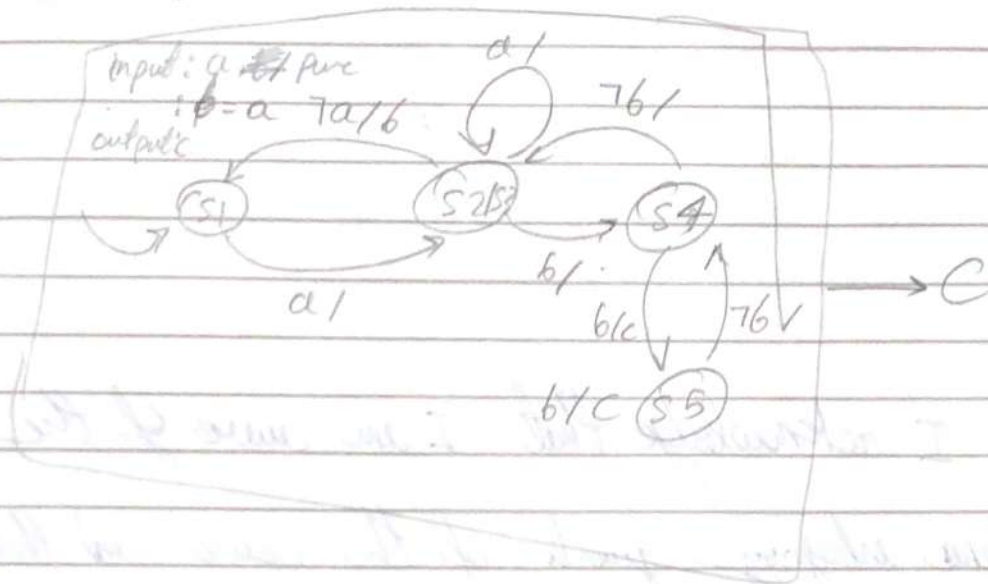
smallest would be $1 + \text{minimum of } (t_1, t_2)$

1

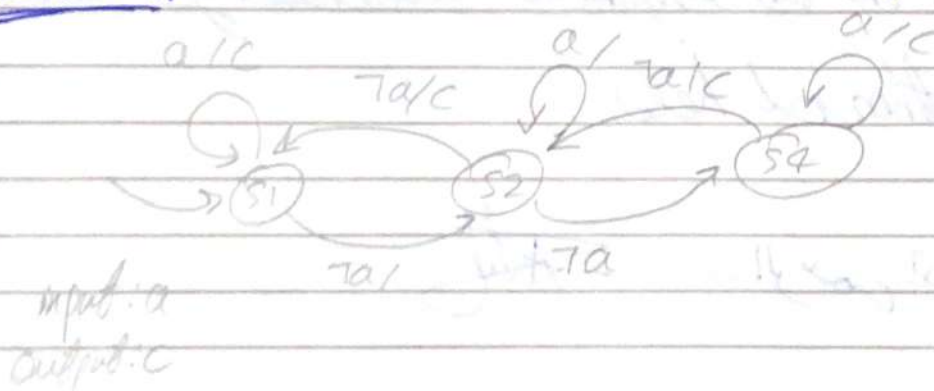
Chapter 5:-

PAGE
DATE

Question 3:-



Question 4:-



Chapter 3:-

Question 6:-

- a) if pedestrian is true & count is 60 the system will go to waiting then after 5 seconds it goes to Green again

(2)

b) like the previous example

pedestrian cone & count is 60 but now at the same time crossing gets a signal that makes it turn green immediately.

I acknowledge that I am aware of the academic integrity guidelines of this course, and that I worked on this assignment Independantly without any unauthorized help.

عبد الرحمن عبد السلام بن الفلاح - ~~Adil~~