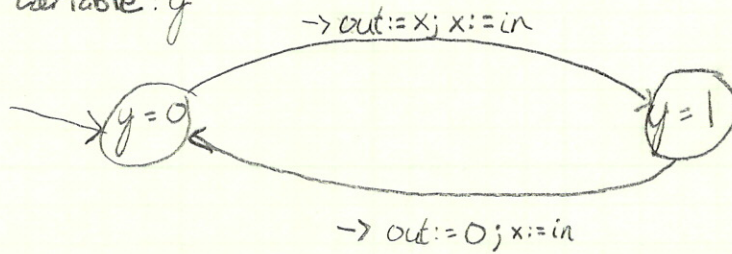
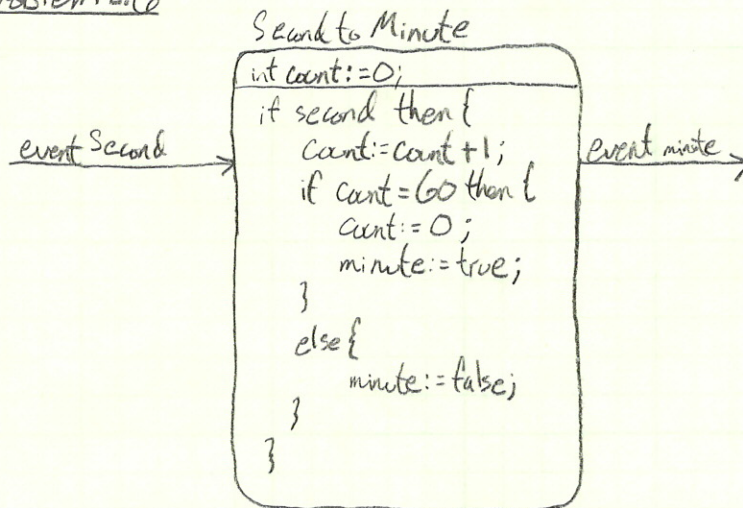
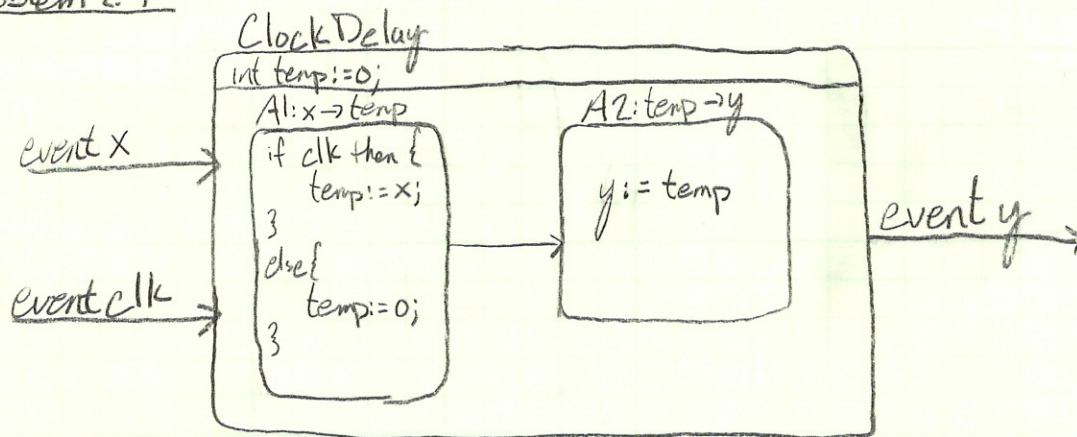
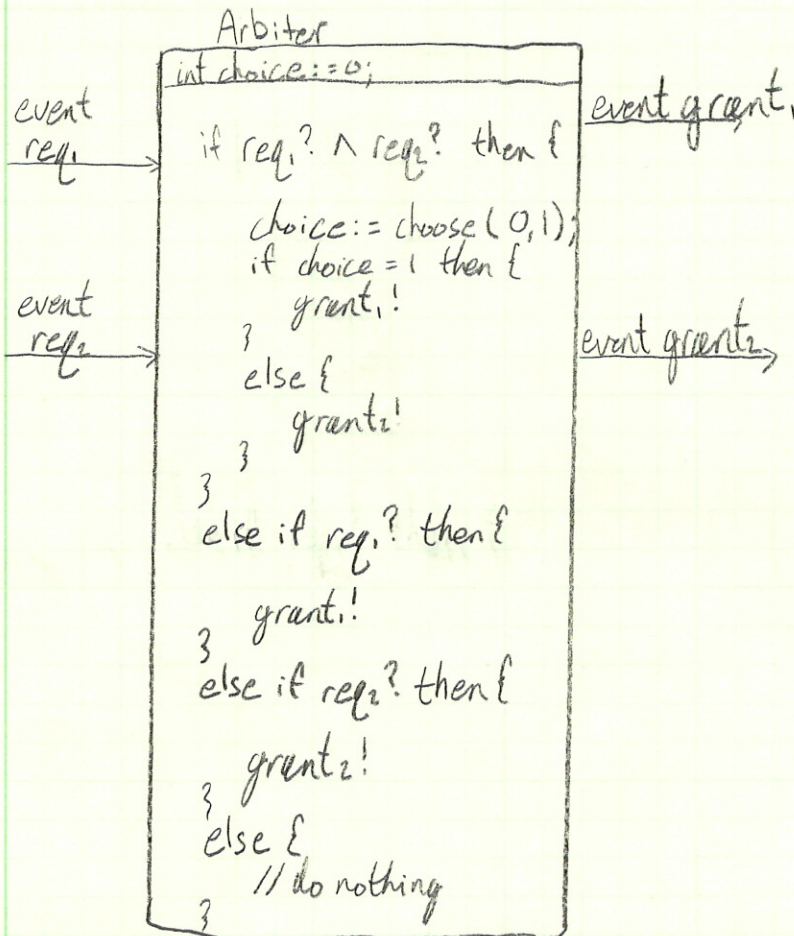
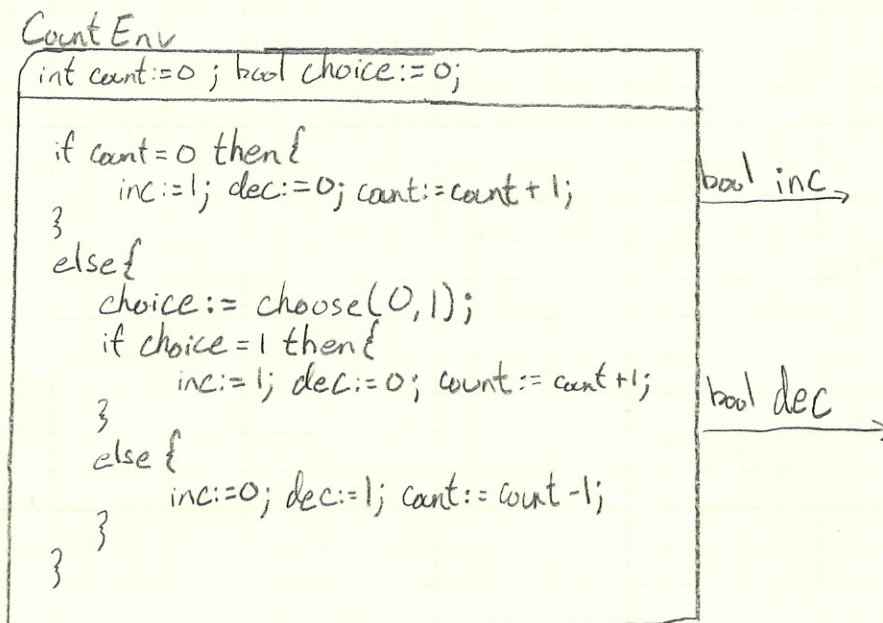


Problem 2.2State variable: y Problem 2.6Problem 2.7

Problem 2.9Problem 2.10

Problem 2.12

A1: $x \rightarrow y$
 A2: $\rightarrow z$

$y > x$
 $z \neq x$

no relationships
 established
 between A1 & A2

No precedence constraints,
 all schedules valid

$A1 > A2$; $A2 > A1$; $A1 \neq A2$

Problem 2.13

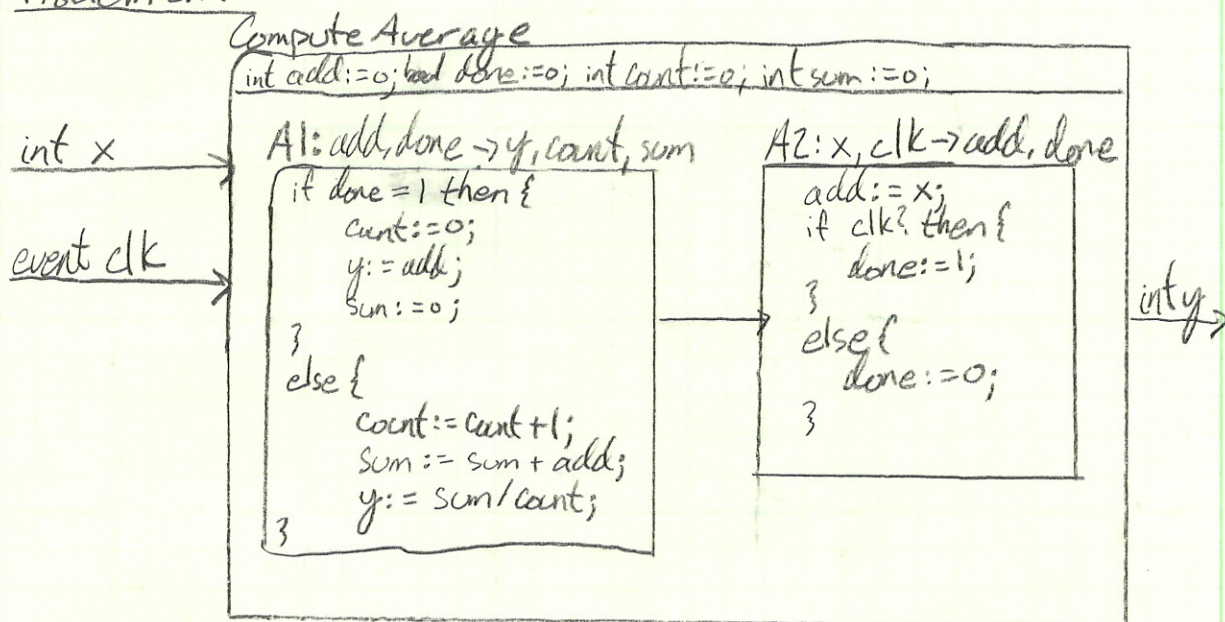
	start	
U	0	0
X	0	0
Y	0	0
Z	0/0	0/0

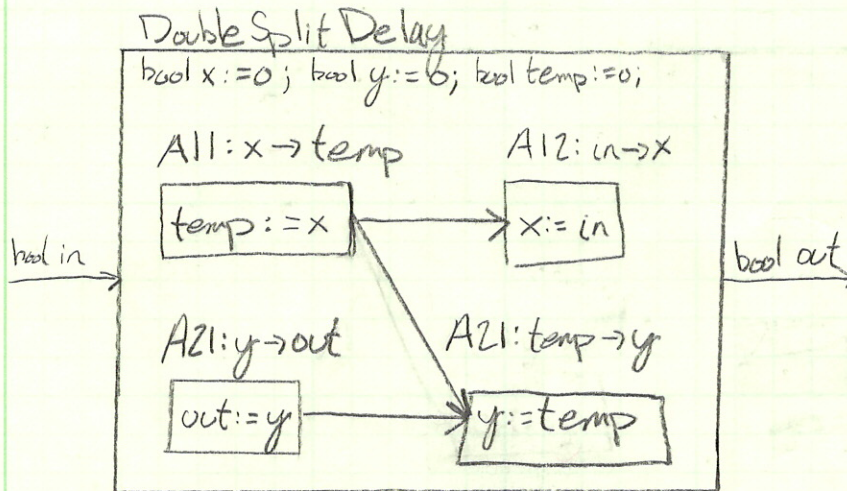
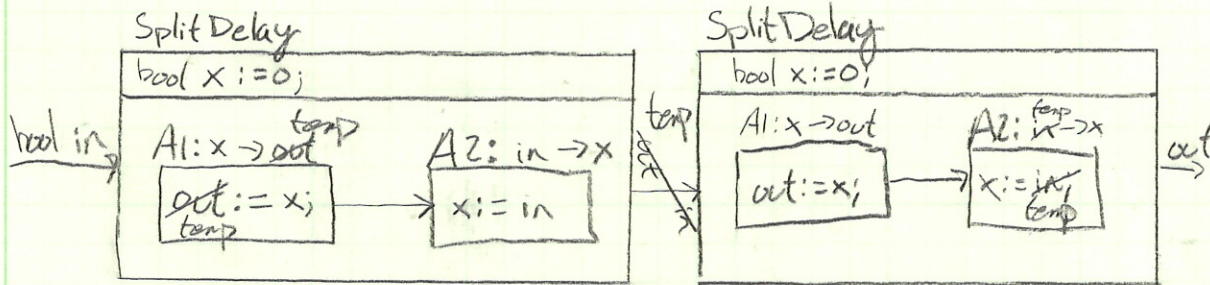
1) X is zero, all components zero

	start		
U	0	1	1
X	1	1	1
Y	0	1	1
Z	1/0	1/1	1/1

2) X is one, all components one after 1 cycle

$y \neq x$ $z > x$

Problem 2.14

Problem 2.16

x y temp in out

I/O Dependencies

	x	y	temp	in	out
x	-			>	
y		-	>		
temp	>	-	-		
in				-	
out	>				-

↑
first

← second

Key: - : N/A
> : I/O Depend. exists
blank: No Dependencies

first > second

$$I/O = \{(x, in); (y, temp); (temp, x); (out, y)\}$$