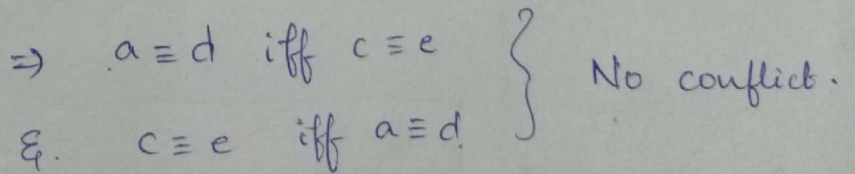


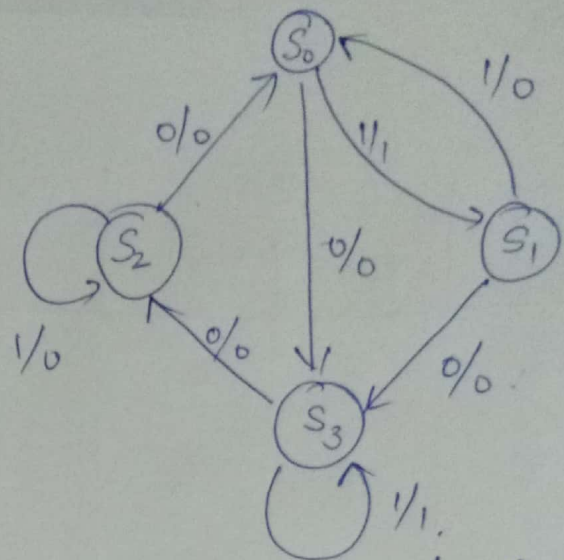
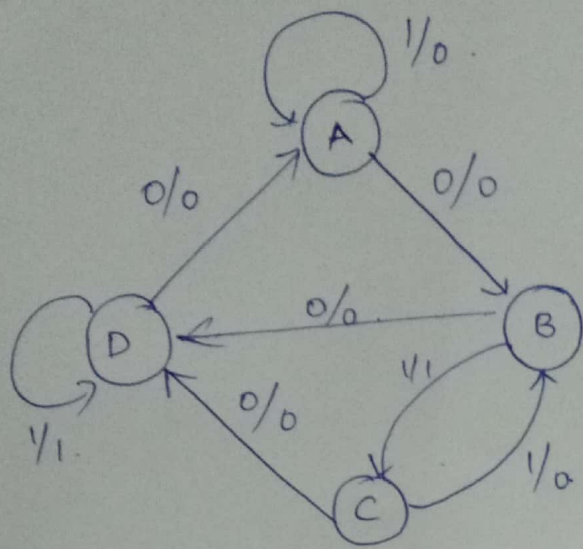
MONDAY

DIGITAL SYSTEMS

Removed.



We can replace d by a
 $\&$ remove $d \rightarrow$ entirely
 $\&$ replace e by c
 $\&$ remove e .



P.S	N.S		Output	
	x=0	x=1	x=0	x=1
A	B	A	0	0
B	D	C	0	1
C	D	B	0	0
D	A	D	0	1

P.S	N.S		Output	
	x=0	x=1	x=0	x=1
S ₀	S ₃	S ₁	0	1
S ₁	S ₃	S ₀	0	0
S ₂	S ₀	S ₂	0	0
S ₃	S ₂	S ₃	0	1

A	A-S₃	B-S₃	B-S₀	A-S₂
B	D-S₃	C-S₁	D-S₂	C-S₃
C	D-S₃	B-S₀	D-S₀	B-S₂
D	A-S₃	D-S₁	A-S₂	B-S₃
	S ₀	S ₁	S ₂	S ₃

$\Rightarrow B \equiv S_0 \Leftrightarrow D \equiv S_3, C \equiv S_1$
 $A \equiv S_2 \Rightarrow B \equiv S_0$
 $C \equiv S_1 \Rightarrow D \equiv S_3 \wedge B \equiv S_0$
 $D \equiv S_3 \Rightarrow A \equiv S_2$

\Rightarrow