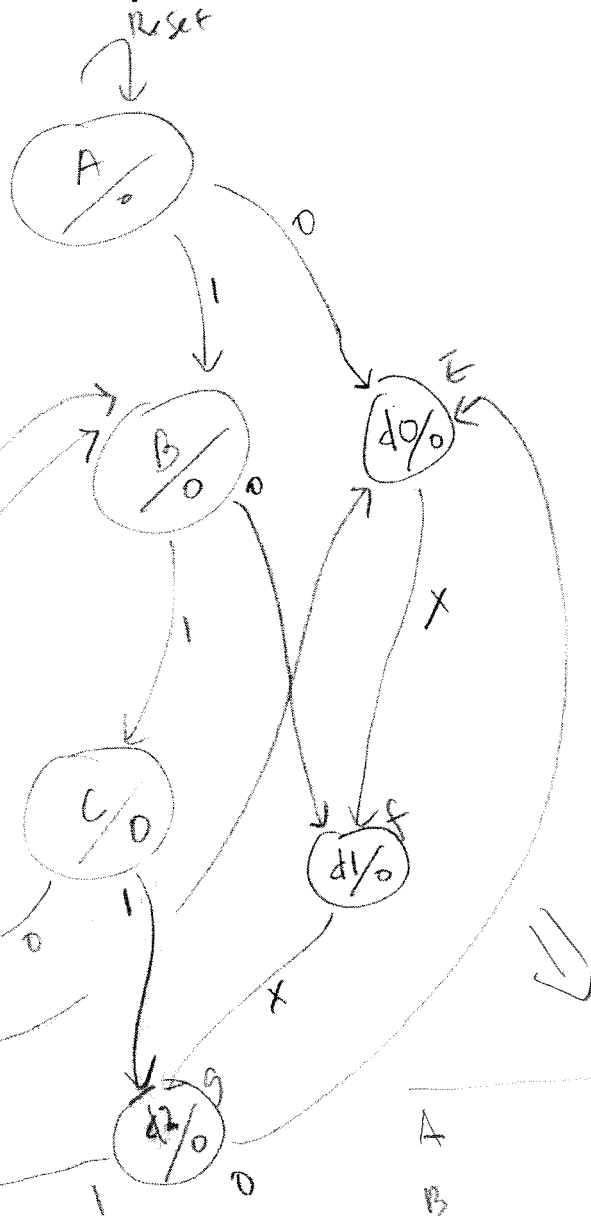


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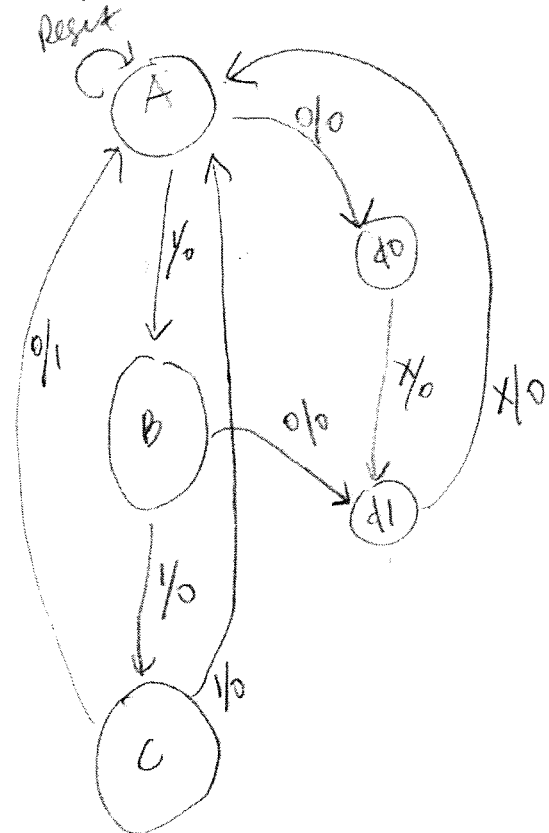
Name: my 1

1. Show the Moore and Mealy state diagrams for detecting sequence "110", no overlapping

Moore



Mealy



	W=0	W=1	Z
A	E	B	0
B	F	C	0
C	D	G	0
D	E	B	1
E	F	F	0
F	G	G	0
G	E	B	0

Break up list on output

$$P_1 = (ABC \overset{\downarrow}{E} FG)(D)$$

0 succ of ABC EFG
EFG E

$$P_2 = (ABEFG)(C)(D)$$

1 succ of ABC EFG
BC G FGB

$$P_3 = (AEFG)(B)(C)(D)$$

0 succ of ABEFG
EFG E
1 succ of ABEFG,
BC FGB

$$P_4 = (EFG)(AG)(B)(C)(D)$$

0 succ of AEF G
EFG E
1 succ of AEF G
BFG B

$$P_5 = (E)(F)(AG)(B)(C)(D)$$

0 succ EF
FG
1 succ EF
FG
0 succ AG
EE
1 succ AG
BB

G can be
eliminated

0 succ of AG is EE
1 succ of AG is BB

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Name: key 2

1. Show the Moore and Mealy state diagrams for detecting sequence "110", no overlapping.

