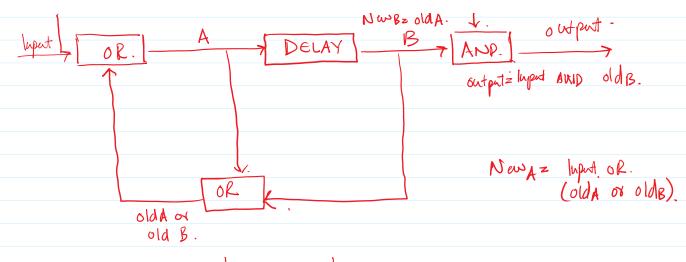
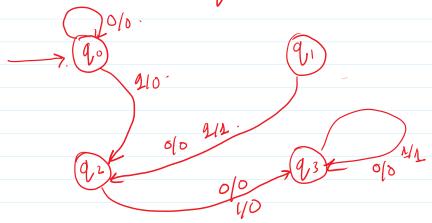


New Section 2 Page 1



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NowA = 1	ugut or	Colda	80	olds).		AB.
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out put =	lupent	AND.	old B.		Q2	10
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				NPW O		lm			
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	oldA	oldB.	Nasa	NwB	'	Nung	Nuss.	'	
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9,3	. 1	1.	(2	1)9,3		1 (1.	1)93	1.	



REGULAR LANGUAGES:

A language 13 called Regular if I a Regular Expression defining the language.

Palindrone.

Proporties: 1- closure. 2- complement & Intersection.

PA, Let PA' be the Complement.
PA' = All the words that are not accepted by PA.

Procedure for determining a Complement.

1- Change all final States to Non final.

2- Change all non final to final.

PA. $\rightarrow Q_0 \xrightarrow{\alpha} Q_1 \xrightarrow{b} Q_2$ $\downarrow b \qquad \downarrow \alpha$ $\downarrow q_3.$ $\downarrow a_1b.$

PA'.

Qo a Q1 b Q2

b a b a a b a



