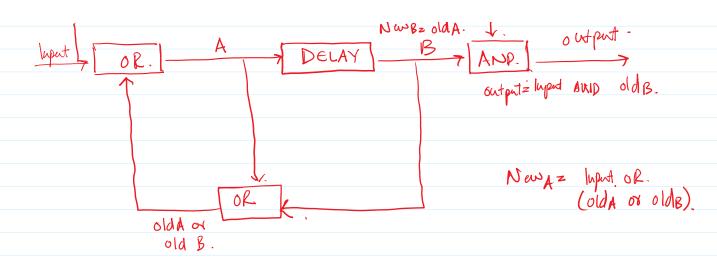
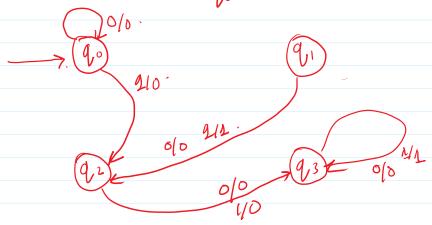


New Section 2 Page 1



New A = lugat	or Lolda	or olds).		AB.
Nuss = old A			9,0	00
•				00
out put = luper	t AND ob	dB.	42	10
, (		U	93.	4 1.

				NPUT O		ln.	pus 1.		
	old	State	New	State	1 Output	Now	State	output	
	olda	oldB	Nasy	NunB	'	Nus	Nuss.	'	
$q_{j}$ $\circ$	0	O	(0	0)9,0	0	(1	0) 92	0	
.91	0	1	(1	0)9,2	0	12	0)92	1.	
92	1	0	(1.	1)93	O	(1.	1/93	0	
9,3.	1	1.	(2	1)9,3		(1.	1) 93	1.	



REGULAR LANGUAGES:

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

Palindrone.

Projecties: 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 find.

1. 2- Change all non final to final. HW. a6. as even.

> b. O<sub>1</sub> a

PA'. Odd a's

FA.

PA -

