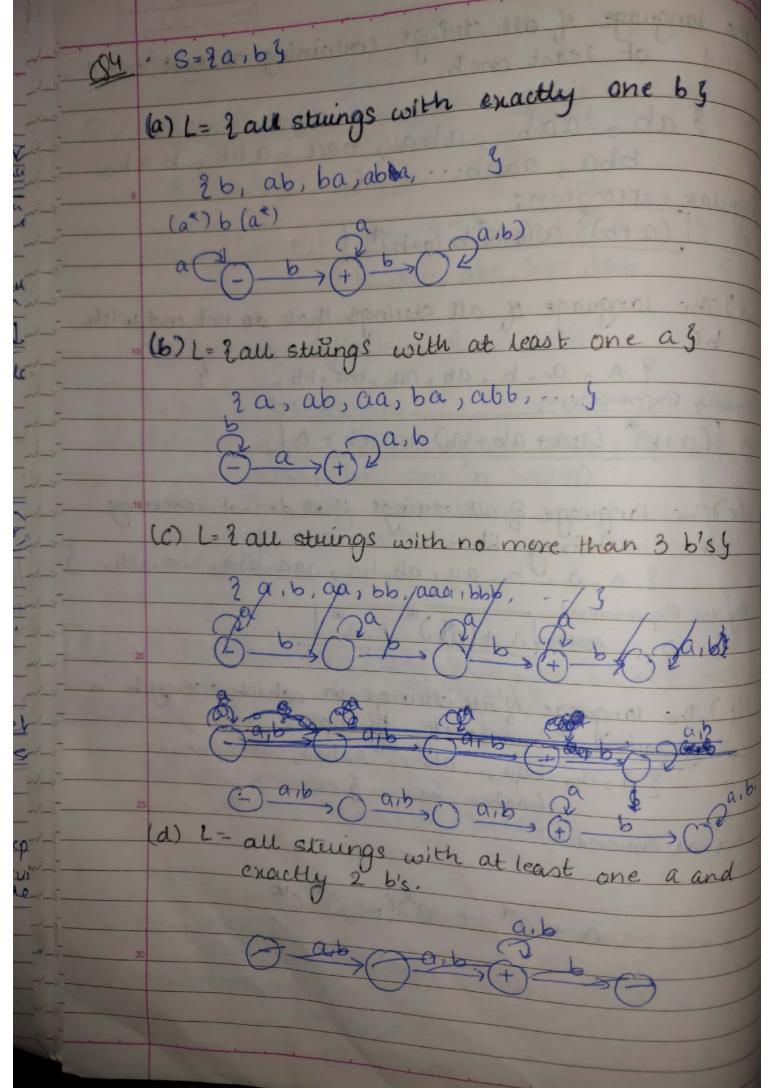
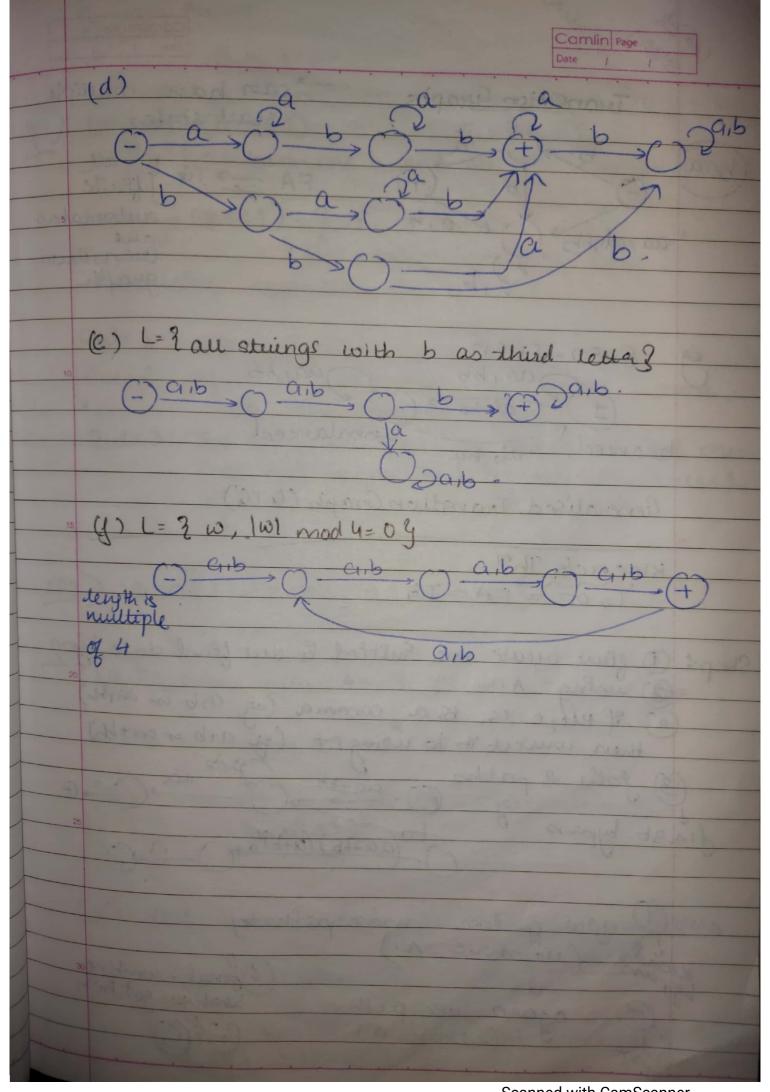
Assignment-01 21. Janguage (WEIRD) = 2 odd numbeus of bis and an even numbers of a's 3 language (WGRD) = 2 an pan+1 | n=0,1,2,3,-...3 = 2 b, aab, aba, baa, bbb, -...3 by Remsive aginition for WEIRD:-Rule 1: BEWEIRD Rule 2: If IN EWEIRD, then aaw, along to awa, waazubb aue in WEIRD Rule 3: The only elements in WEIRD are the ones that are constructed by following rules 14 02) 4-PERMUTATION = 21234 , 4231 , 302 3241 & 1243, 3214,42134 (3) L= 2 aab, ba, bb, baab 3 Regular expression;

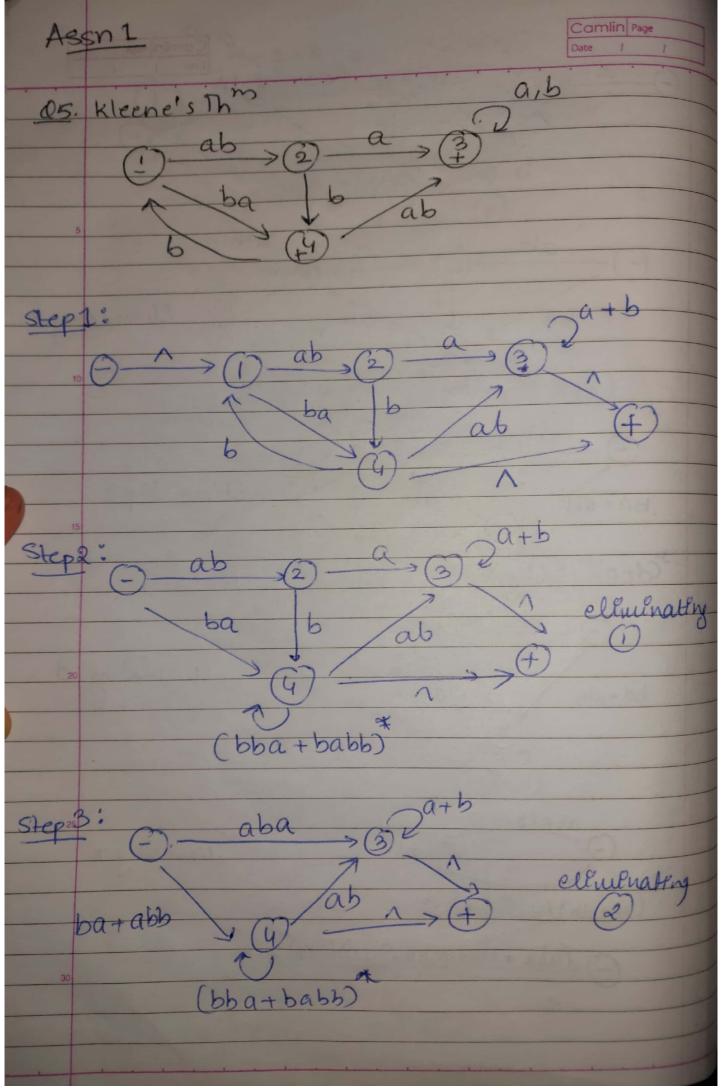
> (aab + ba + bb + baab) (b) The language of all steerings containing exactly 2 bb, abb, babo bba, aabb, -- 5 Regular expression. Carbo b Carb > atbatbat

	Comlin Page Date 1 1
ce) The language of all stulings contain and at least one b.	ing atleast one a
strings with sunctly one by	(a) L= 3 acts
3 ab, aab, aba, baa	abb, bab,
bba, aaab	40 188
Regular expression;	(73) 0 (76)
Regular expression:  =) (a+b) a (a+b) b (a+b) +	8 7 7 8
(d) The language of all stuings tho	2 110 1 = 1 (8/1=
Regular Expression;	b, - · · §
=> (a+b) (aa+ab+bb) + a+b+1	
15 (e) The language of all sterings that	do not containing
the substring bb.	a a ha haa a h
2 n, a, b, aa, ab, ba, ac	ea, aba, bour, abb,
Regular Exprenion:  (atb) + a*	1-10-
20	· d = (g)
(f) The language of all strings in followed immediatly by aa	which every b is
followed immediatly by aa	
21, a, baa, abaa, aabaa	, aabaaaa,
baabaa, ba g.	12-(3)
Regular Expression?	3.7-17:
Cash Sun Sani) to Mine 2011111	1000
1 + ax + ax (baa)x	a*
	16 16 16 16 16 16 16 16 16 16 16 16 16 1
30	





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