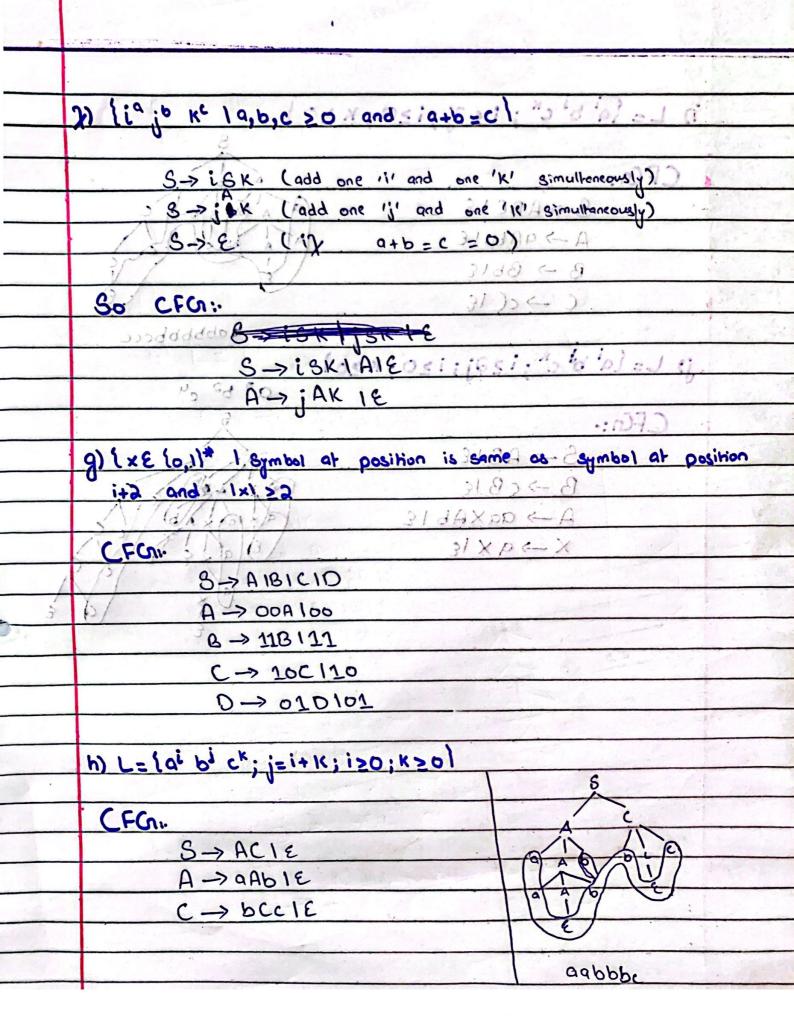
	Name: Abd	ullah Awan		
	Section: 6A was and the second A Co.			
	Roll no: DIL-7713 (Miles Marg on Mi) and box			
	L das fide, seled door dood seld sold an frail			
2.3	FISSIGN ROMENT #2			
			CFCnn	
	Q:1) 3/p2d/d2p <- 2			
	Generate (Context Free Grammer) CFCs for the			
	Jollowia	: The fixe jet boo of M	itely to id io (b)	
	a) (ab+ba) * . Basman pa sa no x) 1 : i			
	Language = bba, abba, babba, abbabba, babbba, ababbba			
		DIA C		
	CFG.	aldAp <-		
	1,	S-> Abba 318 as a		
		A-> abalbaale 1, ) acc)		
	31000			
,	b) L= { a n b m c m d n; n, m >= 2 }			
10	CFG:	boo bbo si w fo Algori o	MI*11.01.3x] (G	
	CPUIS	C > 201 1201		
	1.60	S-> asd land	(0)	
	F / SI I I			
(36,2		B -> bBC/bDC		
(36iz	And no or One bolibers di surra cada be			
6,000	alad do in nilital a blo si dipil li suria 1 1216-2 dabbe edd			
			.3	
		1030173710371780	162	

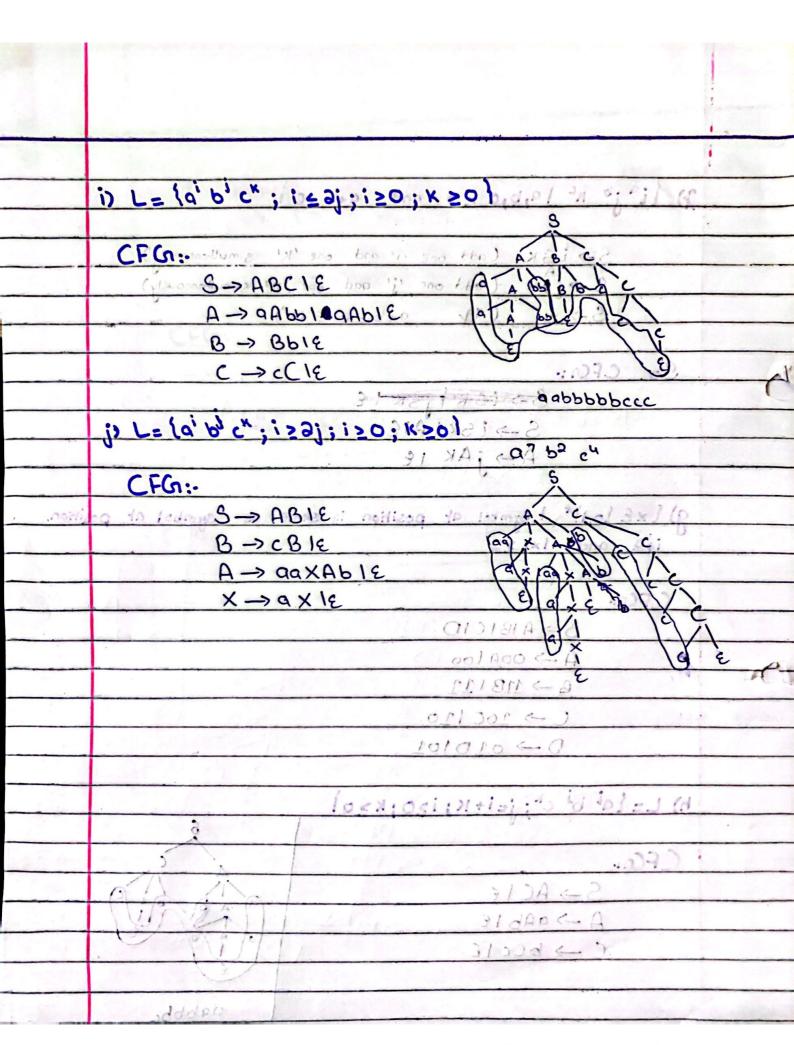
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	Warns Abdullan Auson
	3 C) A language with words that have equal of 905
	and b's (in no particular order) SITT-115 con 110?
	L= { ab, ba, abba, baba, abab, baba, bbaa, aabb }
	A THE I MAINISS MANIED TO
	CFG:
	8-> 986168918
	Generalize (Context Free Grammer) CFG Jan 190
	d) ai bi ck li,j, k >0 and i=j on i=k : simple
:	
	i= j (K con be any value ). * (pd+do) (0
	i=k Lj cen be any value
	+CFC, rdddard , rddad, rddd D, rdd , y = Dprygno J
	S-> AIC
	A -> aAbiB
	B -> CBCBIE AND C-2 B
	C -> aC c 10   Apd   Adp C A C B
	D -> 6018
	{ S= cm,n; "b" o" d" o } = J (d)
	e) [x E lo, 11" I the length of w is odd and middle symbol
	is 11 (
	5-3 984 10Ad 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1
	CFG. DO barbar CA
V	S-> 1 (This ensures met a middle d symbol is 1)
	S-> 050 (ensure its length is odd by adding 10' on both side)  S-> 131 (ensure it length is odd by adding 11' on both side)  and all combination
	bbs select all combination
	So,
	5->11080118110811180

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