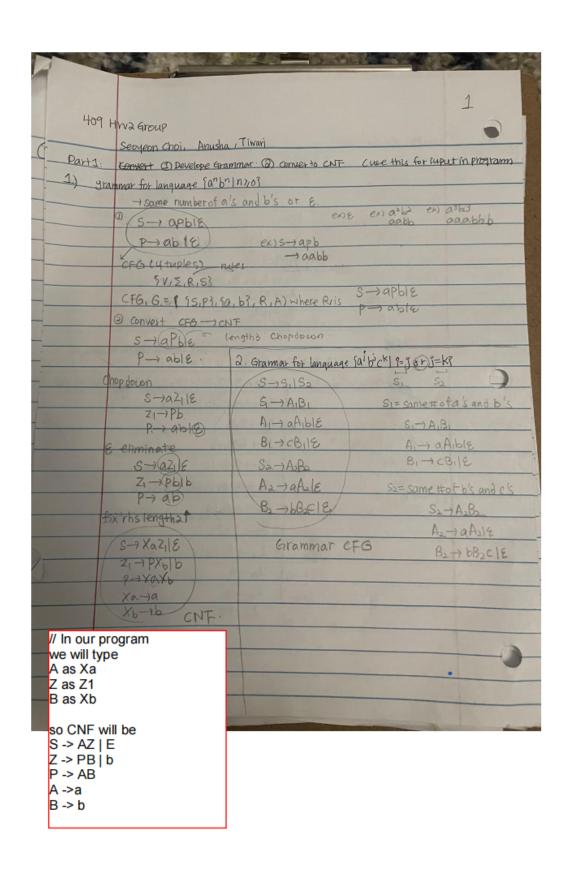
Course: ICSI 409 HW2 Part2

Student: Seoyeon Choi, Anusha Tiwari



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0					2
(Chapdown)	COMET CEG - CNE		Jan To ado	M HOD MAN	
1 1 2 2 2 1 1	5-75/152	Eelimin	ate for A,	unity rule e	-
	SI -> ABI		SUS	0 00100	6Z2
	$A_1 \rightarrow \alpha Z_1 \textcircled{E}$	(S) 2	- ABIBITAI	S-ABIJCBINA	3/1C/aZ/
	$Z_1 \rightarrow A_1 b$.) a21	Si AIBII CE	
	B ₁ → cB ₁ (E)		-Alb 1b	BI-) CBILC	
	S ₂ → A ₂ B ₂		- CBIC	S2-> AuBolbi	-
	Az - aAste	(5;	2+ A2B2 82 A20 2+ 9A2 a		-
	B2 -> bZ2 (E)		12/16/24	$B_2 \rightarrow bZ_2$ $Z_2 \rightarrow B_2 c \mid c$	-
1-	$Z_2 \rightarrow B_2 C$		BUCC	27 02010	-
Write	baon nicely	A. P. VA	Jala Gix I	hs length more	thana> -
	S-> A.B. (B) (C) (2)			1 10 21 1 0 1	d A 1 . 1 N . 2
	A1-(02)		SI-ABILVOBI	ICIXAZI ABAL	Xatslal xbZz
	21 → A.DID B1 → CB) 1C	100000	A1 -> 9/421	ICINAZI	-
	S2-> A2B2 62 9A1a		ZI - AINIDID		-
	Az -> aAzla		BI-> 9cBilc		
	B ₂ → 622			622/ XaA2/a	
	Z2 - 6291C		Az > XaAzla	10-21 Maria a	,
			B2-) X6Z2	HAMPAN CO.	
	(NF)	Zz -> Bz Kcl	6 3 10 14 1	
			2a-)a		
			2b→b		
			Te+c.		
	OZ. T. BERN				
The state of the s					

?	3. grammar for language \$21#22##AKTK?/1, each a and for some i and j, 2:=2;R? sisper textbook String contains number of als and bls. als and bls are	2100	
	ex) a#b#a $S \rightarrow P[P#Y Y#P Y#P$ CFG $P \rightarrow aPa bPb #Y# #$ Y $\rightarrow aY bY #Y E$ Covert to CNF Extiminates S $\rightarrow P[P#Y Y#P# Y]$ P $\rightarrow aPa bPb #Y# # # $ P $\rightarrow aPa bPb #Y# # # ##$ Y $\rightarrow aY bY #Y# # ###$ P $\rightarrow aPa bPb #Y# # # ##$	exi. s -> p -> afa -> attaa -> attaa	S→ P#7 → apa#y — tata#y — tata#by > hatta#by

~	S → P P#Y 1#P r#P#Y P → afa bPb #Y # # Y → at bY # E	/ take Pand Yas substring // PWIII generate matching poir of a's b b's and #'s For example ala, blb
		wester. Watch
	#\$1000	Ywill generate just asor just b's or just
_ D<	er eliminate.	#SOFE. MERITAN MYTERIAN
	S -> PIPHYIYHDIYHPH	Y P# #P #P# Y#P# #P#Y
	P-) ala 1 bPb) # [# #	
	$Y \rightarrow aY bY \#Y a b \#$	Kunit ryle>

Chown down length 27	Z5 Z4Z5 Z2Z].	
S-> PIPZ PZa YZZZ P# 1 #	+p1 +p 2003 000 2007	
一一一一一		
- スレー井P	<untrale>.</untrale>	
$2\gamma \rightarrow 222$	S-) a26[bZ1 +Z4 + ++ P21 P22 YZ3	p# # 1
-24-14	#25/2425/2221	
- 25 -> P#	7一件	788
- P-025 67	2 ₂ -7#P	
- P-1 a26 bZ7 #Z4 # ##	2n-1221	
$Z_6 \rightarrow Pa$	Z4→Y#	
$\frac{2\gamma \rightarrow \beta b}{2}$	25 → 件	
Y-) ari bri #rialbit.	P-) a 26 b Z1 井 Z4 井 井	
	$Z_6 \rightarrow Pa$	
	27-196	
	Y-) ay 16/14/1a/b/t	

Question 4	grammarin Sisper O		The same of	
	Let G= 9VIZ, Rvis) bu	e following grammat.	V= (S,T,U); = (d, 并) and	,
	Ris/S-TT/U	Service Contraction	35	
newstart state	#IOTITO+T	70	(2)	
chopdown Extimitate	# 10000 +U	<chopdown length21=""></chopdown>	< unity eliminate>	
unity elintrope	(CFG)	S-TT(Q)	S-TTIZIZ21#	
	Converto CNF	T->OTITOL#	T-OTITAL#	4
		(V-+ Z1Z21#	U→ Z1Z21#	
3		21-100	Z1->0U	
1	(fix this length2)	Z2-)00	22-100	
	S-> TT1 2122H	4-10 WU		
0	T→WTITWI特	ZZ-TWW (CNF)		
	リーンコンンは	W-70		
		9(1)		
1 10-				