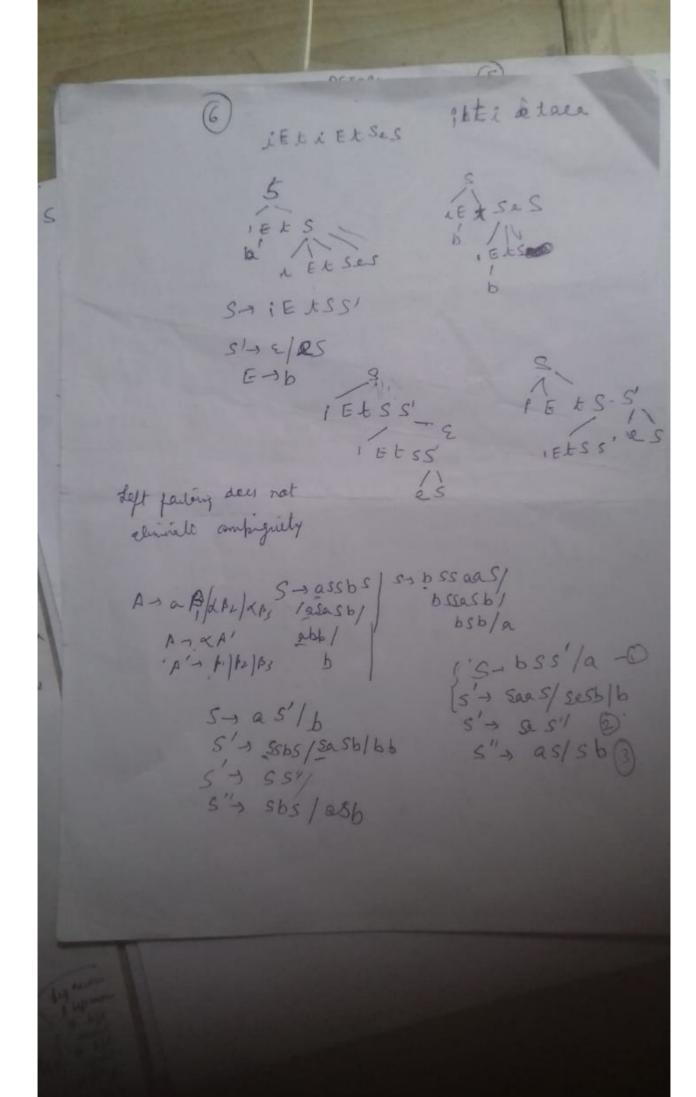
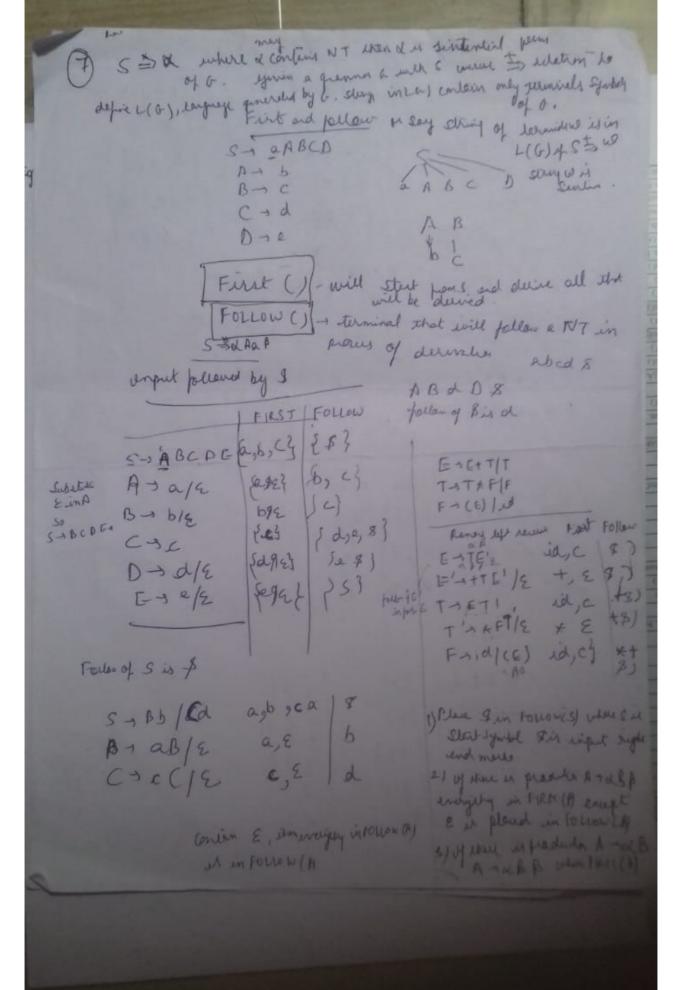


DEFERMINISTIC GRAMMAR Anxp. | xpe | xls OLF2. A point is ok but don't know prosperospor Backlink is happening due to choosing of a of we could see B also we can see which fradula to choose, we are making denies to choose by eary P3 Left facturing A - > X A' A' -> A/PI/P3 A' Restponing till rent point This is delumentin. Procedure to carriet Non determinister to Retermit granner to called left factoring A CERRA DE NO S. i Ets/i Etses/a come some of antiques of rat SALELSS'



F= +12 11,65 h



LICH PARSING

the L represents abot searning of inject will be done from life to people and search L shows what we wis Rosing leadings we are going to use between brunches been prod I september much of look about.

	id	+	*	4	3	4	of look atiet.
E ,	口框	E'TTE'		E+TE'	T' = %	6-12	
T T1	TAFT'	T' > 5	TARFÉ	ナットマ)	T' > E	T'S	
F	FAR			FXEJ			
		1					

Here first L represent stat Scanning

Follow () Termind Symbol which pollow a valiable in the

continuition of LL(1)

1) First () , FOLLOW()

2) Construct pairing table

3) Stack implementation

4) Ruce the input illing

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Many by preduling person on id Tid a id stack implementation unjut Action Stack id+id x id & E-TE! \$ 5 id+id x id \$ SET TOFT id + id + id f &ETIF Frid ed + id * we 3 E'T'ud + id + ids SE'T' T'AS 8 Di + Dr + 1 SEI E'STTE' + rd x id & 9 E'T'+ id x id & & ET TAFTI id x ids 9 E'T'F Frid id + ids g E'T'id * Idg SE'TI T' > XFTI * 18 5 SETFX 101 S Frid 9 E'T'F Id & SF'T' id 8 9 F'T' 9 E1

some grammal has multiple defined entries (1) FOLLOWS) Je, 79 5-iE ±55 | a FRST (5), [i, a] FOLLOW(5) [e, 49] 5'→ 25/€ FOLLOW(E) St? (E) 163 GAD Parling Table H (Not LL(1) enput Syntl SAIELSS' 5-> a 5/78 S'-1 & s'ses E=b The entry for M[S', e] contains both s' - eS and S'> E, ina FOLLOW(S') = { e, 8}. The grammel is ambiguous and embiguity is mainfested by a chaire in what production to use when an e (dre) is seen. A grammer where puring table has no multiple-defined entries is said to be LL(1) I La scenning input from left to right
II L beliment derivation III- I using one input symbol for look ahead al each step to make pairing decition No ambiguous left securione granmal can be LL(1). A grammal G is LLU) if and only if whenever A A - of B aretino distinct productions of 6 in following renditions held: 1) For no ilerminal a' do both of and p derive strings degenning with a! 21 At most one of a and & rear derine empty stress 3) of \$ = E, then of does not derive any whing beginn with a terminal in FOLLOW (A)

Indeed seein Imput E + E + E 8 W.S BUREAR E - (E) Beeft 1 made Action Input SIRK id idy xidy \$ skeft Bedanly Erid + 1d2 x ids & + 20 + 10 9 shept 业战 大 1改5 reduce by Esid 9.5 + + id 8 9 Etid SHILL 41d5. 36+6 Sheft 11.7 Treduce by E sid 9115 4 raduce by F & E XE JE+E+ M Reduce TO ETE BEICHE FETE augt 96

2) sigt ment uput symbol inighted only top of start 2) andwer parser knows right Band of handle is at less both and devide with what NT so replace handle

completion of parseng.

") In an error seelie parel discours that syntax error has orientred and call an error recovery raciline

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consider the grammel

STAABL

A - Abc/b

Bod

The sentence abbade can be reduced to S by following

a Abide

a Abede a ABE

S

s-) a ABe - a Ade - sa Abode - abbode

right most derivation in severse.

Handles

a handle of a thing is a substing that matches eight side of a production and whose reduction to NT on left side of production represents one slep along reverse of rightmest derivation

handle of a right residential form y is a production A's B and a position of y while ilving

p may be found and replaced by A to produce previous right sentential form in eightment desiration of y.

a handle of & Bw. Biting w to right of handle content only dermined symbols.

229 operator Presidence parting The grammar have the property that no proceeding an sight side is E or has two adjacent NON Tumerich. E - EAE (CE) | - E/id A-+ 1-1/1 is not squater grammal because night tool 3 consenting NT. However are can whiteher for A each of all alternate E - E + E | E - E | E | E + E | CE)] - E / id operation prisonde can be defined using the relation & = 7 S- SAS/a A - 636/6 5-56565 1565/A operated precedence grannel can passe ambiguous grannel special greedence Relation ENFE EMDAR ud + to sid 100 Rules for Precendence 5 >= 4. 17 6 < 0 > 1) No is come adjuint. 2) id has none preference Man any other operator 3) & her had profesence then any other. 4) x > + g special with high precidence done high precidence 5) + Left essonable & + 7+ capronled suger 9 5 1

23-9 Comert relation laste to function laste - length of longest pack fid + gx + +++ g++ +\$ gid ナチメーンタメンナナナタナナト The state of the state of function table is new less than relation table is new less than relation Function table Relation take size(2n) 0(nt) Suppose 100 operators are threaten peneliar table 20 Relation table 10000 Diadratez fiel and gid PASRIS PASBSR ISBS)S of and black of higher level &

