Ques:

Grammen ;

$$E \rightarrow TE'$$

$$F \rightarrow (E) | id$$

Step1

Ans:

First

Variable 19 always \$

follow (E): [\$,)}

Billow (E). C. 3

follow (E): {\$,)}

follow (T): {+,\$,)}

follow (T): {+, 4,)}

Sollow (F): {*,+,\$,}

Upper

LL(i)	Paros	sing	o A	able	0
- Lon	mind	-U			2.1

1-> tenm	ind I	-		110 100	1 1	
/Prooduction	+	*	()	(6 3 6)	tal great	\$
E		TAC	E->TE-		EaTE"	
E	E >+TE	4257	1.	E'3 E	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1	ESE
T	and the second		サーシティー		T>FT-	
T	TAE	T->VFT		TE	S. CONTRACTOR OF THE PROPERTY	T56
F			F-> (E)		F→ ºd	
	•			•		1

5tep3

Input	Action
(id x id) + id	E>TE-
(id * id) + id	7->67-
(id * id) + id	$F \rightarrow (E)$
idx id) +id	Match & pop
id * id) + id	E>TE
id * id) + id	T>FT'
id x id) +id	F>id
x ?d) +id	Maleh 8 pop
* id) + id	T' -> AFT'
- 1'd) +1'd	March 2 pop
id) +id	F-> 8d
	(id x id) + id (id x id) + id (id x id) + id id x id) + id id x id) + id id x id) + id id x id) + id x id) + id

Grammen Input (id xid) +id E->+TE/E $T \rightarrow FT'$ T'> * FT-/E F > (E) /id

Grammer, 5-> AA

A > a A 16

CFIn = context free grammer Left recursion

A > Ad 1B

VNO CFG

V no ambiguity

step 1: add argument, 5'>5)

5' ->5

S-> AA

A > aAlb

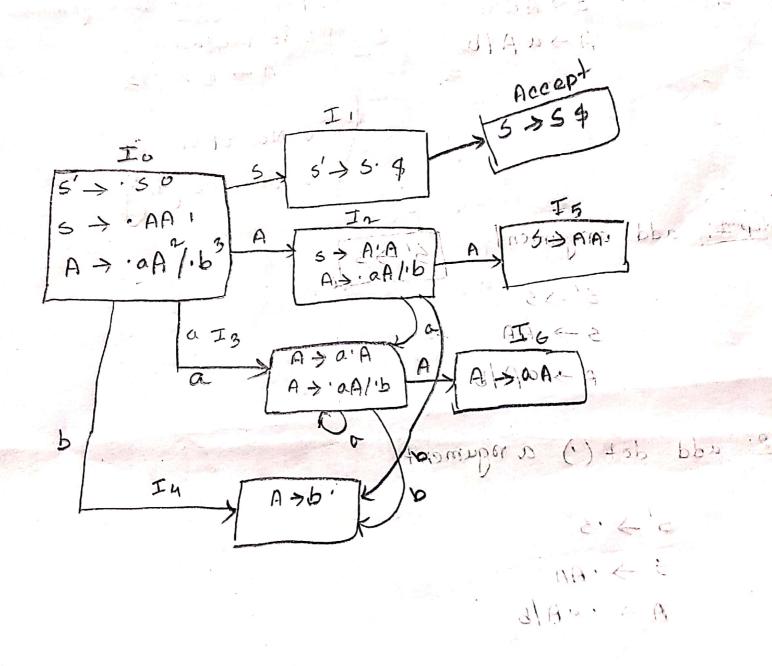
Step 2: add dot () a regument

5' > .5°

5 > · AA2

A > · aAlb

step 3: DFA Dnaw. 3512010 - (5) 21



(R (O) table fer		pminal /La	minal (Loven case)		non Terminal Juppe cas	
Stack Action					Goto	
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I_5	5	/ P3	70 /	101		-
	6	Yo =	102	102		
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0a3a3 bb\$			· ·	Shift 4		
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0030			ned	neduce by A > a A		
		and the state of t	51	shift 4		
0Ab2 b\$				reduce by A -> b		
7Ab2b4 \$				reduce of 5>AA		
0 AZA 6		during the same and the same an			シフロト	
051		9		1 Aco	copt.	

Muntash

SLR (1) -+ 20 6 2 SCE (1) PONICIES. Co DEgiven S>CAd input = A>able. step 1: 5' > 5° s>eAd> = augment add 2 numbering A > ab/E: step 2' number it Follow First step 3: First & Follow. (d) A Va, ey step 4: augment a/ grammer (step 1) i (0) (dot) add step 5: DFA Draw. Nocept b 5' → S. \$ \$ 5' → 5\$. St A> able Tu a IG SACAd A > e'

	SAG
	step 6: SLR(1) paring to ble
1-4	1 Action
	Stack as begged of A 5
J,	Accepted
1.	The second of th
To	2 35 or all Breson 2
Ja	
14-	Gerally 1
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JG	6. 10. 10, 10, 10, 10, 10, 10, 10, 10, 10, 10,
i Ia	7 -05) (1 do 11) -2 moning 18 / 2 / 112010000 18 moning 18
17	the chart DHO brace.
	bh D . = 3
	I -> 92 3
	TATE! ITTO 2
	Follow(A)=d A > ab
	d num alo 153 02-160 /
	By Warre
	$T_{c} \rightarrow r_{\Delta}$
	S > CAd.
	→
	follow \$
Park and the	

12, 12, n, step 7: if input, then generate ISIA table Input Action it and in meduce by A>e. AS-LUAJ reduce by s> Ad Jiho = Accept