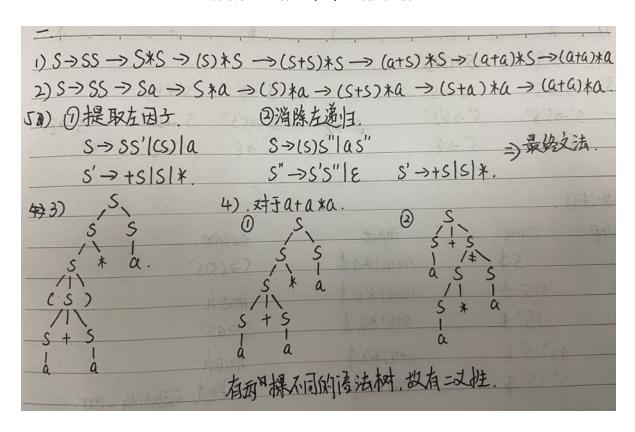
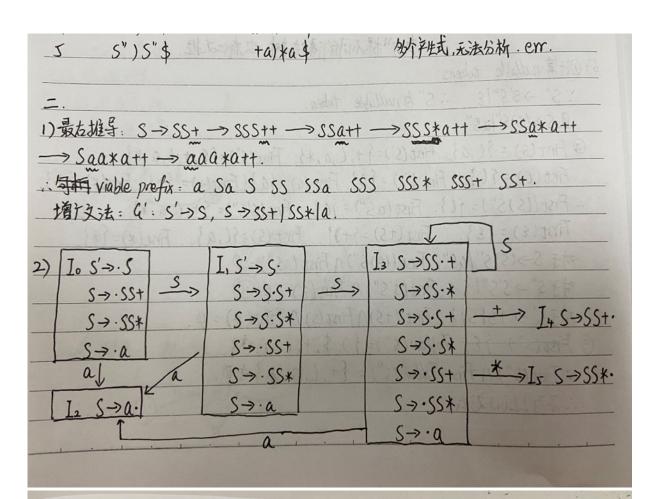
编译原理 - 作业(2): 语法分析



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有面解不同的语法树、故有二姓。
6) の计算 nullable tokens
S'' \rightarrow S'S'' | E \qquad S'' 为 nullable token.
ES \rightarrow (S)S'' | aS''
② First (S) = S(,a) First (S') = S+, (,a,*). First (S') = SE, +; (,a,*).
First (S) = S(,a) First (S) = SE, F Fi
```

7) $a$ ( ) $*$ $*$ $*$ $*$ $S = S = S = S = S = S = S = S = S = S $
Step   Stack   input   action .   S\$ (a+a)*a\$   S→(S)S"  2 (S)S"\$ (a+a)*a\$   match     3   S)S"\$   a+a)*a\$   match     4   aS")S"\$   a+a)*a\$   match     5   S" S" S   A+a)*a\$   match     5   S" S" S   S   S   S   S   S   S   S
185 - 187 (8) 8, 18 18 18 18 18 18 18 18 18 18 18 18 18



							No. Date
		-		-			Date · ·
3) (	a': (	DS'->S	(2) S	→ SS+	B S→ S\S	k ⊕ S →	· a ·
F	ollow (	5')= 1\$	is To	Mow (s) =	5\$,+,x,a3	st (AaAb)=	到定是6封止(1):下
	a	1d,77	(8 × d)	\$ 16	state S (C	ioto)	at (Aubb) (That (8085)
0	S2						MEAN A Follow (A) = " of.
1	S <sub>2</sub>			acc	3		北京有从山支法,
2	44	(874 )	74	r4	1\$1. Follo	ollow (5) =	域产品的1000万
3	52	54	SS	reduce Y	901/3 4		Blow (A) & Follow (B)
4		72	Y2				
-	r3		r3				
	13	13	1)				
41							

step stack	टेम्स	input	Action	Cioto
1 \$0		aaa*att\$	S2	
2. \$002		aa*a++\$	r4	1
3 \$051		aaxa++\$	52	
4 \$051a2		a*a++\$	r4	3
J \$05183		a*a+t\$	S2	
6 \$ 0SIS302		* 4 4 + \$	Y4	3
7 \$0515353		*a++ \$	ST	
8 \$0SIS3S3*5		att\$	13	3
9 \$05153		att\$	S2	
0 \$0515302		++\$	r4	3
1. \$0515353		++\$	54	
2 \$0515353+4		+\$	12	3
3 \$ 0 S 1 & S 3		+\$	54	
\$05153+4		\$	12	
\$051		\$	acc	

No.

()判定是否为LL(1): First (AaAb)= {a3. First (BbBa)= {b3. First(A)=First(B)={E} First (AaAb) / First (BaBb) = \$. Follow (A) = 9a, b3. Follow (B) = 9a, b3.

= First (A) N Follow (A) = \$. First (B) N Follow (B) = \$.

二级文法为以(1)文法.

2)判断是否为SLR(1) Follow(s)= (\$ ). Follow(A)= [a,b]. Follow(B)= 9a,b]. · Follow (A) A Follow (B) + 中. : 茅住 reduce - reduce 中菜 春 SLR(1)文法.