7月123.

X -> Y, Y, Y; Yo Ys

Yi > at &

Y2 > 618

Y3 -> 018

14-> d18

Ys-> 0/8

M. FIRST(x) = ? a | x => * a - ..., a ∈ v = } m) FIRST(x) = ? a, b, c, d, e, & }

3.10 解:

FIRST(D) = int, real }

FJRST(7) = fint, real}

FIRST (L) = fid}

FIRST (R) = ? , , E }

FOLLOW (DD) = SA]

FOLLOW (T) = lids

FOLLOW (L) = 3 A3

FOLLOW (R) = { \$}

分析表:

新入符号

		•		
int	real	id	,	\$
D→TĻ	D⇒TL			
T→ int	7 → real			
		L→id R		
			R→,idR	R→ E
	D→TĻ	D→TL D→TL	$D \rightarrow TL$ $D \rightarrow TL$ $T \rightarrow int$ $T \rightarrow real$	$D \rightarrow TL$ $T \rightarrow int$ $T \rightarrow real$

3. 12

3.16 商等

(a)
$$S \Rightarrow_m (L) \Rightarrow_m (L, S) \Rightarrow_m (L, (L)) \Rightarrow_m (L, (L, S))$$

$$\Rightarrow_{nm}(L,(L,\underline{a})) \Rightarrow_{nm}(L,(\underline{s},\underline{a})) \Rightarrow_{nm}(L,(\underline{a},\underline{a}))$$

$$\Rightarrow_{nm}(\underline{s},(\underline{a},\underline{a})) \Rightarrow_{rm}(\underline{a},(\underline{a},\underline{a}))$$

Ħ

\$1

\$ (a

\$15

#(L

#(L,

\$ (L, (a

\$(L,(5

A(L,CL

(L, (L,

(L, (L, a

\$ (L, (L, S

\$ (L, (L)

4 (L, (L)

#(L,5

(L

\$(L)

\$ 5

输入

(a, (a, a)) \$

a, (a,a))\$

, (a,a)) \$

, (a,a1) \$

,(a,a))\$ (a,a))\$

a,a)) \$

1のり日

, a)) #

, al) \$

a))#

リロ

リサ

1) \$

) 掛

) \$

\$

#

动作

移进

移进

招 A S→a H约

拉レコロ5均约

移进

移进

移进

按5→a归钓

格レラ5归约

移进

移逆

格SDa归钓

描绘物的

移进

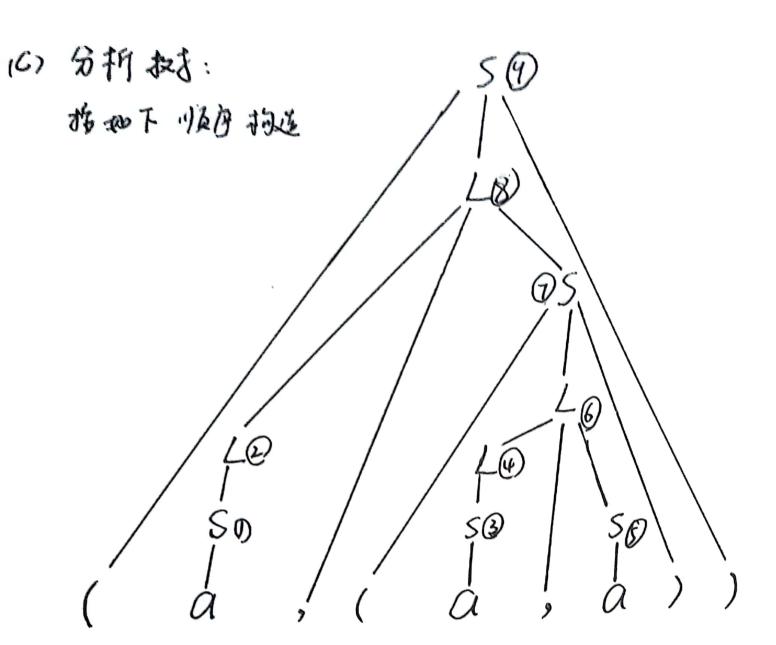
按 5 つ(レ) 切め

投レコロム5リ归约

学孩 进

描 5つ(し) 別约

酸接受



孔9部:

四部 广文流

(0) & E' > E

(1) @ E → E+T

ロシモラエ

B) T > TF

(4) T > F

(5) F→F*

(b) F → a

(1) F > b

LR 10)项雕规范模:

lo; E' →·E

E→. E+T

E j. T

To 0 T >- TF

T→·F

 $F \rightarrow F^*$

F -).a

F 7.6

D1: E'>E.

E -> E . + T

12: 7 → 7.F

E→T.

F -> . F*

F -> . a

F > · b

I: TOF.

F -> F.*

I4: F→a.

It: ØF→b.

16: E → E+. T

T → · TF

丁つ·F

F> · F*

F -> ·a

Fカ·b

In: TOTF.

F → F.*

18: F→F*.

Iq: E → E+T·

T-> POT. F

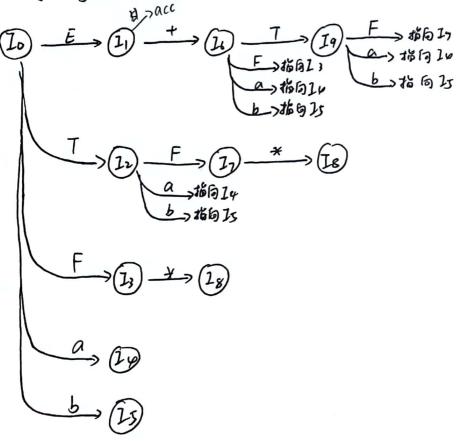
F -> · F*

F 7.0

F7.b

10:01 - f.

识别活前缀的DFA:



_	FIRST	FOLLOW
Ē	a, b	\$, †
T	a, b	\$,+,a,b
F	a,b	#, +, a, b, *

构造 SLR S析表

action				goto				
ばた	+	*	a	Ь	\$	E	T	F
0			54	55		1	2	3
1					acc			
2			SU	55				7
3		Sø						
4 5	976	Y6	r6	16	76			
5	17	17	r٦	Y 7	r7			
6		×	54	Sr			9	3
7	3 6	Sø						
8	rs	rs	r5	Y S	15			
9			54	55				7