1120200822 都子中 07112002
1 '
1. A → Bac I CbB
$\mathcal{B} \to \mathcal{A}_{c} \mid c$
$C \rightarrow BPIP$
解将AS生形代入B文生型、例
B -> BoCc CbBc C
可被写成 B→ CbBcB' cB'
B' → a Cc B' E
将B带AC,M.
C -> CbBcB'b cB'b b
野城城成 C→ cB'bC' bC'
C' → bBcB'bc'le
整理外 G'(A): A→ BaC CbB
B > CbBcB' cB'
B' -> aCc B' /2
C → CbBcB'b cB'b b
C'-> bBcB'bC'/2
' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' ' '
2. G(A): A→BCcleDB
B-> 21 bCD
C -> DaB ca
D > 21 dD
(水) マナチA:
FIRST (BCc) = Sa,b,c,d}, FIRST (eDB) = se}
ATB:
F1R57(E)=983. F1R57 (bCD)=963
FOLLOW(B) = FOLLOW(A) U FIRST (Cc) U FOLLOW(C) = \ \a, c, d, \ \float \.

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STC:
       FIRST (DaB) = fa, dj, FIRST (ca) = fc3
      对fD:
       FIRST (E) = E, FIRST (dD) = fd3
       FOLLOW(D) = (FIRST (B) - JEZ) U FOLLOW(A) U FOLLOW (B) U FIRST (aB)
                = 9 a,b,c,d,#3.
  (2)
                                           #
      A>BCC A>BCC A>BCC A>BCC A>eDB
 A
      B>2 B>600 B>2 B>2
 \mathcal{B}
                                          B->6
      C>DaB C>ca C>DaB
      D>E D>E D>E D>ED-dD

<stmt> → d; <stmt> | s<tail>

               <tail> -> & | is <tail>
               V7 = 9 begin, end, d, j, s3
剛(U) aff < program>.
        FIRST (beginsstmt>end) = 9begin).
      AJT < Stmt>:
        FIRST (dicstmt>)=d, FIRST (sctail>)=s
      AF < tail>:
        FIRST (&) = (E), FIRST (; s <tails) = (i)
        FOLLOW (<tail>)= FOLLOW (<stmt>)= +1PST (end) = gend)
    二分析表如下.
```

	begin	end	d	s j
<pre>cprogram></pre>	<pre>cpregram>-> begin cotint;</pre>	> end		
<stmt></stmt>	,	<stm< td=""><td>t>⇒di<stmt> <</stmt></td><td>stmt>>sctol></td></stm<>	t>⇒di <stmt> <</stmt>	stmt>>sctol>
< tail>		<tals> &</tals>		<tail>>;Setail></tail>
(2) 分析	过程加限:			
55聚		待匹配串	分析主力	6/ 1
	# <pre>program></pre>	begin dis end#	<pre><pre>cpregram>>> be</pre></pre>	ginzstmt>end
	# end astmts begin	begin disend#	prf	<i>O</i>
3.	# end estant>	dis end#	<stmt>→dia</stmt>	cstmt>
4	# end <stmt> id</stmt>	disend#	Ptf	
	# end cstmt > i	is end #	p+t	
<u> </u>	# end <stmt></stmt>	s end #	<stmt>→</stmt>	sctail
7	#end <tail>s</tail>	s end #	ptt	
8	#end <tail></tail>	end#	<tail> -</tail>	€
9	#end	end #	Ptt	
10	#	#		
4				
倫外: (')	A→ baBle			
	B→ Abbla			
北方	递归文法.			
वर्त	A :			
	FZR97(baB)=9b3,	FIRST (E)=9E)		
	FOLLOW(A) = FIRST	$(bb) = \{b\}.$		
	FOLLOW(A) NFLASTI	ChaB) ≠ Ø		
	游戏某非从(1)交选。			
料	4 5 生刘 带从 B. 16 3			

$A \Rightarrow b_{\alpha}B \mid e$
B-> babblbla
继续纷级,提取公田子与,得
A -> bable
B-> bB' a
$B' \rightarrow \alpha B b b \mid b$
2) M→ Mart [H
H-> P(M) / (M) / P
为左至目文选、石是从(1)文法。
消格左连归和提取公园子、得。
m→ Hm'
$M' \rightarrow \alpha H M' / \epsilon$
H-> PH, ((w)
$H' \rightarrow (m) \mid \mathcal{E}$
此时为从(1)交法。
(3) S-> AB
A -> Ba E
B -> Db 10
$D \rightarrow d l \epsilon$
非方益归文法,但有公园飞,提出,%
S-AB
A-> Bale
$B \to DB'$
$B' \rightarrow b \mid \epsilon$
D > d1E
代时为LL(1) 文法.