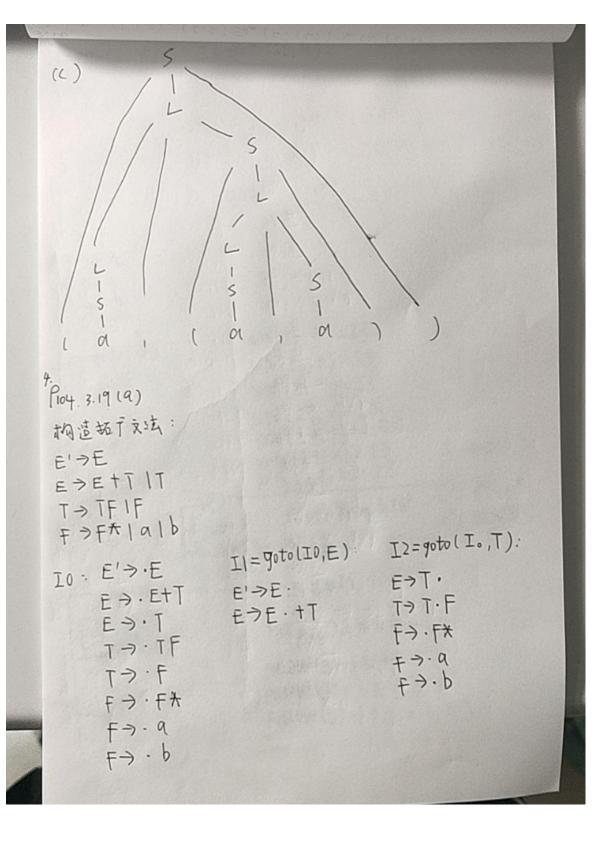
```
第三次作业
1. FIRST(X) = FIRST(T.) = { a, & }
    FIRST(D) = FIRST(T) = { int. real }, FIRST(L) = {id3
2. Pie4/3.10:
    FIRST (R)= { , , & 3
    FOLLOW(D) = {$3
    FOLLOW (T)= {id3
    FOLLOW(L)={$3
    FOLLOWIR)= ($3
      lint Ireal
                 DOTL
       D->TL
   D
                 T-) real
       T>int
   T
                         L>idR
   L
                                 R>,idR
   P
                         FOLLOW (5)= {$3
P104:
       FIRST(S)= {x, d, E]
                          FOLLOW (A) = ( b)
3,12,
       FIRST (A) = {x}
                          FOLLOW (B) = { $3
       FIRST (B) = { b}
                          FOLLOWIP)={a, E3
       FIRST (P) = {d. E]
                         FOLLOW LOD= {x3
       FIRST (Q) = {a, & }
                                   Ed3 N EE3 = 0
 对于 P> dP lE. FIRST(dP)= {dj
                  FIRST ( £ ) = { £ 5
                                     {a}n{2} = 0
                  FIRST (aQ) = fa)
 对于 Q>aQ12
                  FIRST (() = { E}
 对了 S→ABIPQX, FIRST(AB)= {x}
                     FIRST (PQX) = {a,d, x}
                     FIRST (AB) NFIRST (PQX) + 0
 故该交流不是(10)文法
```

```
3.16
(9) (3) (L) => (L, (L)) => (L, (L)) = (L, (L, (L)))
      \Rightarrow_{rm} (L,(L,\alpha)) \Rightarrow_{rm} (L,(S,\alpha)) \Rightarrow_{rm} (L,(\alpha,\alpha))
      ⇒rm (5, (α,α)) ⇒rm (α, (α,α))
    花 新入 动作
(6)
    (a, (a,a))$ 粉进
 $
            a,(a,a))$ 楊进
 $(
           ,(a,a)) $ 被5ラの旧约,(a,a)) $ 按レラ5旧约
 $ (a
$ (s
              , (0, 01) $ 粉进
 $ (L
                (0,0))$ 粉进
 $(L,
            a, a1)$ 粉進
 $ (L, (
 $(L,(a ,a))$ 按5→a旧约
                            投しつら旧列
                  , all $
 $ (1,(5
 $(L1(L , a1)$ 粉世
                    $ (L,(L, a)) $ 報進

$ (L,(L, a) )) $ 被5つa旧约

$ (L,(L, s) )) $ 按しれら旧约

$ (L,(L, s) )) $ 粉止
$ (L, (L, S)
$ (L, (L)
$ (L, S)
```



```
I5 = goto (IO, b)
                 I4=90to(10, a):
13=90to (IO,F):
                                       F> b.
                  Foa.
T-) F .
                                     90to(Iz, a)= I4
goto(Iz, b)=I5
F> F. *
                 I7=90to(I2, F):
Ib = goto (I|,+):
                    TOTF.
                                     IQ=90 to (I3, *):
E>E+. T
                    F>F·*
T>.TF
                                      干ラテオ
 T> F
 トウ・ド大
 F) . a
 F> . b
                      goto (Ib, F)= 13
I9 = goto(Ib,T):
                       90 to (Ib, a) = I4
                       90to (Ib, b)= I5
E>E+T.
                       90 to (I7, *)= I8
 TOTIF
                       90to (I9, F) = I7
                                           上等指列工
 テラーチ*
                       goto (I9, a) = I4
goto (I9, b) = I5
                           上旬李 指旬18
                马指何工生
                           马舶计
               Lb)指何IS
                           LS 指有IS
                        所有状态均是接收状态。
                        FOLLOW (E) = {$,+}
FOLLOW (T) = {$,+,a,b}
                        FOLLOW (F)={$,+, a, b, * }
```

1	+ 1	*	a 1	61	\$	E	T	FI
0			54	55			2	3
	56			1.5	acc			7
2	r2	0.00	54	55 r4	1-11			
3	r4	58	r4 r6	rb	19			
4	rb	rb	10	7	47			
5	rl	17	54	55			d	3
5 7	1+3	58	13	13	r3			
8	15	15	r5	r5	15			
9	111		154	\55	11			7

U) E ラモナT (2) モラT (3) T ラT (4) T ラ F (5) F ラ F* (6) F ラ Q (7) F ラ b