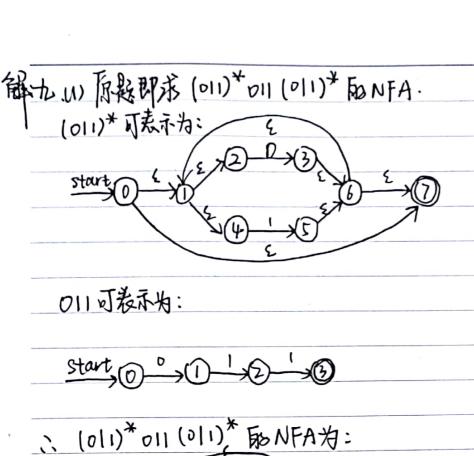


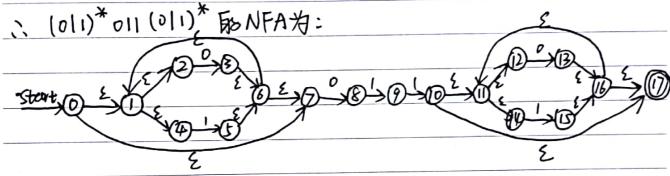
| S→Aalb A→Ae Aad bd { | $\begin{array}{c} A \to Aa \mid b \\ A \to bdA' \mid A' \\ A' \to cA' \mid adA' \mid \xi. \end{array}$ |
|---|--|
| *d FaDAG: | |
| 三地块站: | (b-c)+(b-c)*d. |
| t= a tz= 0 | 1×4 1+t2 |
| 古: 治:入城是每数指全部设置 ([] <v)< td=""><td>为100数独各流分单列</td></v)<> | 为100数独各流分单列 |
| 100: +,1,1, 101: =, t,,, 102: *,i9,8, 103: =[], alty], 104. j<, t2, t2, t3, | i ti , t, |
| | A→Ae Aad bd 至 *d fa DAG: 12) |

```
12) for (i=1; i<100; i++){
     5=5+17
100: i=1
                      100: =>1, >1
10/2 if i 2/00 goto 107
                    101:j>,i,100,107
                    102: =, 5, 1, t
102: 4=5+1
                      103: =, $1, , S
103: S=ti
                      104: =, i, 1, to
104: tr=1+1
                      105; =, t_{1}, i
105: i=t2
                     106= j, , , 101
106 = goto 101
                      107: ..
107: ..
13) if a < b then %=a+b else x=a-b
                   100: jz, a, b, 104
100: if a>b goto 104
                     101: =, a, b, t
101: t=atb
                     1の;=, ち, カ
102: 7= 4
                     107: 1, , , 106
104: goto 106
104: tz=a-b
                    104. -, a, b, t
                     105: =, tu, , x
105: 7=tr
                     106: ..
106: 10
(4) a=b*-c+b*-c
                     100: minus, c, , t
100: t= minus C
                     101: x, b, t, t
101: t= b * t
                     10): minus, c, , tz
102: t=minus c
                    103: x, b, t3, t4
103: t4= 6x t3
                    104: +, t2, t4, t5
104: ty= tx+t4
                    105: =, ts, , a.
105: a= to
```

```
15) While (a<b) {
    if (acb) then 7=y+z;
100: if a 2 b goto 105
                 100: j>, a, b, 105
101: if a>b goto 104
                          101: j> a, b, 104
102: t=y+z
                102: +, y, z, t.
103: =, t, , x
                        104: j goto,, 100
104: goto 100
105: 11
大、 F(a>b or c>d) カニタ+1
    else n= 7-1
四元式: 100.从地址100开始:
100 = j>, a, b, 102
 101: j < , c, d, 105
 102: +,7,1, 4
   103:=, ti, , x
   105: -, 7, 1, 7
    106: =, t2, , x
    107: 1
七、利用课本P183、5-1 历反法和规则构造:
1. 9x3+7n;
       Lival=34
  Tival=2]
     Feval=3 digit.leaval=7
```

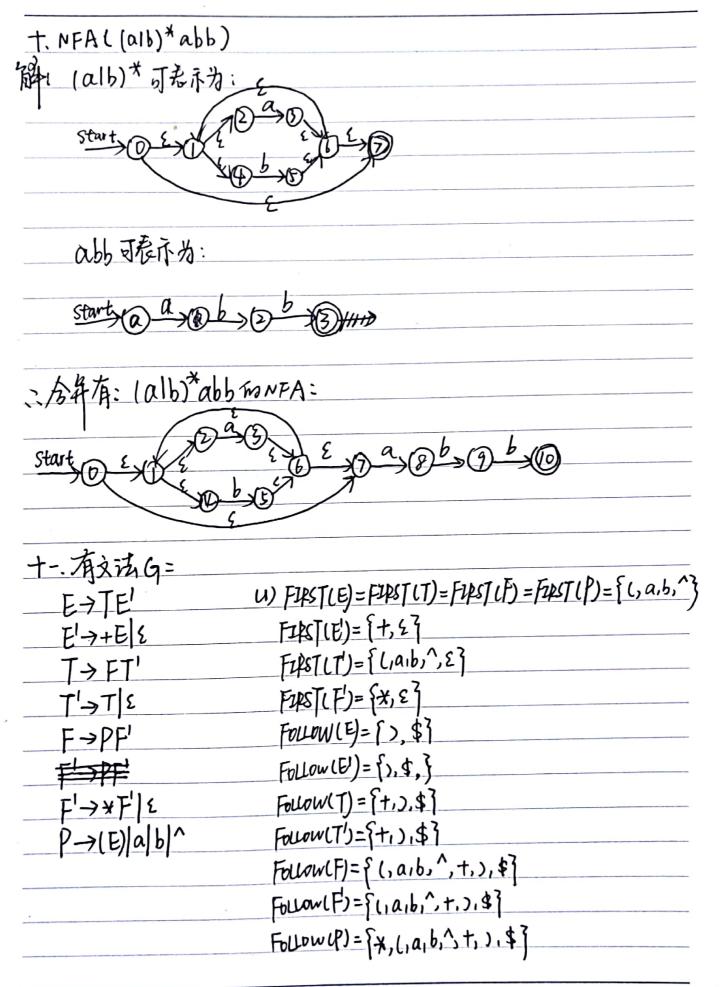
2. 13+4) * (5+6) n L. val = 77 解 E. val = 77 n T. val = 77 Fival=11 E.val=11) Fval=7 Tiven= 6 Eval=5 E.Val=7 Tival=4Tival=5 Firal=b Erval=4 Fival=4 Fival=5 digit.lenval=6 Tival=3 digit. Kerval & oligit Lerval = 5 Fivor=3 digit lexual=3 八、正则表达说: U) 十进划整数:[+|-|٤)(||2|孙/9)(d||2|~19)* D 不成为 (+|-|٤)[1-9][0-9]* D 工=[0,1](横两[1: 柳 0*10*10* 13) Z= faib], abb 再夫: abb (alb)* 14) 01结尾面二进制:(01)*01





| 当式() たい下A 本: 「接後 Q,1, DFA 大流 A.B.c. A.B.

| move(110)={5110,15} Dttan[move(110)={3,8,13} Dttan[| 1,0]= E-closure (838, | 13])=F | 45,6,7,10,11,12 | 14151161 |
|---|--|---------|-----------------|----------|
| move (1,1)=951157 Dtran[] | $[1] = \mathcal{E}$ -closure ($\{f_i\}$ | s)) = G | | |
| 契换卷 Otran为: NFA状态 | DFAHRA | D | 1 | |
| 80,112473 | A(start) | В | C | |
| {1,2,3,4,6,7,8} | В | В | D | |
| {1,2,45,6,7} | C | В | C | |
| {1,2,4,5,6,7,9} | D | В | E | |
| {1,2,4,5,6,7,10,11,12,141]} | E © | F | G | |
| {1,2,7,4,6,7,8,11,12,13,14,16,1 <u>]</u> } | F Ø | F | Н | |
| {1,2,45,67,11,12,14,15,16,17} | G Ø | F | G | |
| [112,495,6,7.9,11,12,14,15,16,1 <u>7</u>] | H Ø | F | I | |
| [1,2,45,6,7,10,11,12,14,25,16,1]] | I Ø | F | G | |
| DFA= () | } | | | |
| | 0 | | | |
| | AT TO LAND | | | |



(宏处为 error)

| 非终传符号 | | | | 输 | 八符号 | | | |
|------------|-------|--------|-------|----------------|--------|-------|-------|------|
| 974513 133 | a | Ь | + | -X- | ^ | (|) | \$. |
| E | E>TE' | E-)TEI | | | E→TE' | E→TE' | | |
| E' | | | E'→+E | | | | E'→E | E'→£ |
| Т | FF' | T>TT' | | | T→FT' | T→FT' | | |
| T' | T'>T | T'→T | T'>E | | T'T | T'>T | T'> { | 7'>٤ |
| F | F>PF | F>PF' | | | F->PF' | F-PF1 | | |
| F¹ | F'>E | F'> { | F'+ E | F'>*F' | F'> { | F/>E | F>L | F'>2 |
| P | Pa | P>b | | | ₽→^ | P→(E) | | |

十二、有文法G: S→iEtSS'| a.

s'→e5|2

FIRST(5)={1.a} FIRST(s')={e,s} FIRST(E)={b}

E→b

FOLLOW(S)={e},\$}

FOLLOWIST)= [e,\$]

(定处为error)

FOLLOWE) = {t}

| | | | V. | | i i |
|------|-----|---------------|----------------------|----------------|------------|
| 输入符号 | | | | | |
| a | Ь | е | ì | t | \$ |
| S→a | ٠. | | S>riEtss' | | |
| | | S'→e5 S'→2 | | | 5'>2 |
| | E→b | | | | |
| (| | 3→ a | 3→a S'→e5 S'→5 | 3→a S'→e5 S'→5 | Sta States |

| te. (alb)*(aalbb)(alb)* NFA: | | | | | | | |
|--|---|-----------|----------|--|--|--|--|
| A aBa (a) | | | | | | | |
| \times | | | | | | | |
| (b) (b) | | | | | | | |
| Add Prathan A | ·B.C··································· | 爱 a.b· | | | | | |
| $A = \xi$ -closure (X) = $\{x, 5, 1\}$ | | | | | | | |
| move (A1a) = { 5,3} Ptran[A,a] = &-closure (\$5,33) = {1,315} = B. | | | | | | | |
| Move (A,b)= {5,43 | | | | | | | |
| move (B,a) = [2,3,5] Dtran [B,a] = E-Wosure ((235)) = [1,2,3,5,6,4] = D | | | | | | | |
| move (B,b)=[4,5] Dtran[B,b]= &-closure ({4.53})= # C | | | | | | | |
| move (C,a)=[3,5] Dtran[C,a]= {-Uosure([3,5])= B | | | | | | | |
| move (Cih)=[245] Dtran[Cib]= E-closure ([245])=[1124516, 1]= E | | | | | | | |
| move (D,a)=[213,5,6] Dtran[D,a]= \(\xi\)- closure([23,45,6])= D | | | | | | | |
| more (B,b)={45,6} Dtran[D,b]= &-closure((*45,6*))= * {1,45,6} = F | | | | | | | |
| move (E1a)= {3,5,6} Dtran[E1a]= \(\int \) downo (\(\xi\)) = \(\xi\)) = \(\xi\)[1,3,5,6,Y] = G | | | | | | | |
| move (Eb)= [245,6] | Dtran [E1b]= 1-dosure [171 | 45,61)=E | | | | | |
| move (E,b) = {24,5,6} Dtran[E,b] = s-dosure({24,5,6}) = E move (F,a) = {3,5,6} Dtran[F,a] = s-dosure({25,6}) = G | | | | | | | |
| move (Fib) = { 44,5,6} Dtran[Fib] = E-chosure ((445,6)) = E | | | | | | | |
| move (G,a)=[23,516] Dtran [G,a] = E-closure ([23,516]) = D | | | | | | | |
| move (G1b) = {4,516} D | tran[G,b]= E-closure(4. | 5,63) = F | | | | | |
| 、我族: NFA状态 | DFA水流、 | a | Ь | | | | |
| {X,1,5} | A (Start) | В | C | | | | |
| {1,3,5} | В | D | <u> </u> | | | | |
| {1,4,5} | С | В | E | | | | |
| [1,43,5,6,4] | 00 | D | F | | | | |
| {1,2,4,5,6,4} | e Ø | G | E | | | | |
| {1,4,5,6,4} | FO | G | <u> </u> | | | | |
| \$1,3,5,6,7} | G O | D | <u> </u> | | | | |
| | G O | D | F | | | | |

