```
1. (1) ab-c+x
           (2) A not UP not or not or
           (3) abcde /+*+
           (4) AB and Cnut Por ur
           15) a-bc-d+++
           (6) ABor CDnot Eand or und
           17) if xy+z*0: then ab+c1 else abc11
       3. 明三元式: 0月
                               wgl
                                       usg2
                (0)
                       uminus
                 14
                               u)
                 (4)
                               a
                 (5)
                              (4)
                 (4)
                              (3)
                                      (5)
           山间轻元计
                             argl
                                     ury 2
                       op
              ul uninus (0)
                                     d
              (2)
                             C
                                     4
              (3)
                             ()
              (4)
                             (0)
                                     C
              (5)
                             (3)
                                    (4)
           C外四元式序列
                                   arg2 result
                            argl
                                         T,
             (v)
                                         T,
            (1)
                   uminus
            12)
                                         T,
                            (
                                         Ty
            13)
                                  73
                           T<sub>2</sub>
                                         Ts
            (4)
            (2)
                                  L
            (6)
                           Ty
                                 To
                                        T7
      4 步骤
                   新入串
                                         stale
                                                          val
                                                                      三地姓代码
                   A:=B*(-C+D)
          (1)
                                                           A
                    :=B*(-c+D)
          (2)
                    :=B+ (-C+D)
          (3)
                                         id:=
                                                           A-
          (4)
                    B * (-c+1))
                                        id = id
                                                          A-B
                    * (-c+D)
         (5)
                                         id = E
                    *(-c+D)
                                                          A-B
         (6)
                                         id:=E*
                                                         A-B-
         (7)
                     (-c+V)
                                        id:=E*(
                                                         A-B--
         (8)
                     · C+D)
                                                         A-B---
         (4)
                     (+D)
                                        id == E * ( -
                                        id = E *1-C
                     40)
         (lo)
                                                         A-B---C
                                        id = E * (-id
                     +D)
         (11)
                                                         A-B---C
                                                        A-B---C T, = -C
                     tD)
                                        id = E*(-E
         (11)
                                        id_1 = E * (E
         (13)
                     +0)
                                                        A-B-- T.
        44)
                                       id := E* (E+
                                                        A-B--T,-
                     D)
                                        id = E * (E+1)
                                                        A-B--T.-D
        (15)
        (16)
                                       id = F * (F+id
                                                        A-B--T.-D
                                       id := E * (E + E
                                                                    T2 = T. +D
        (17)
                                                        A-B--Ti-D
                                       id = E * (E
        (81)
                                                        A-B--T
        (19)
                                       id = E*(E)
                                                       A-B-- T2 -
                                                        A-B-T2 T3 = B*T.
        120)
                                       id = F*E
                                       id = E
                                                        A-T3
       (4)
                                                                    Ty = A = T
       (11)
       (23)
       (24)
      1 (jnz, A, -, 0)
      2 (j, -, -, 3)
      3 (jnz, B, -, 5)
     4 (j, -, -, 0)
     5 (jnz.c, -, 0)
     6 (j.-,-,7)
     7 (jn2, P, -, 0)
     8 (j.-,-,0)
7. / (jc, A, C, 3)
       2 ( ) , - , - , 0 )
       3 (je, B, D, 5)
      4 (j, -, -, 0)
      5 (j=, A, 1', 7)
       6 (j, -, -, lo)
      7 (+, 6, 1, 7, )
      8 (=,T,,-, C)
      9(j,-,-,1)
      10 (je, A, D, 12)
      11 (j, -, -, 1)
      12 (+, A, '2', T2)
      13 (:=, T,, -, A)
       14 (j. -, -, 10)
      15 (j.-,-,1)
  11.
  (1) 属性文法
  S -> for (E, F2, E3)S, E, lable = newlable
                                            (:: 瓦也可以找行赋值等语句)
                           E3. lable = newlable
                           Ez. true = newlable
                           Ez. false = S.next
                           Sinext= Ez. lable
                           S.code = E, code || gen (Ez. (able ': ') ||
                                   Fr. code 1/gen (Es true ':') 1/
                                    Si code ll gen (Es. lable) 11
                                    E3. code 11 gen ('goto' E2 lable)
   (2) 翻译模式
         S→for(E, M, E, M, E, M, Es) M, S, { backpatch (S. nexthist, My. quad)
                                     backpatch (Ez. truelist, N. quad)
                                     backpatch (Es. nextlist, M. guad)
                                     S.nextlist= E, fulse list
                                      emit ('), -, -, ' M. quad'
                                    & M. quad = next quad y
         Μ→ ε
```