## ขานมอบาหมายรินที่ 6

จงแสดงวิธีการแปลง infix เป็น postfix Toule stack

```
1. a+b-c * d/e-f+g*h
                                 2. a*b-c*d+e-f+g*h
       0.
             *
                                                    a
       +
             1
                    a
                                              *
                                                    ab
        b
             +
                    ab
                                              K
                                                    ab
                    ab
             17
                                              *
                                        C
                                                    abc
       C
              山
                    abc
                                        ×
                                                    abc
                                        d
              *
                    abc
                                                   abcd
                                             艺术
              +IN+IN+1+
                                        +
                                                   abcd
        d
                    abcd
                                        e
                                              Air
                                                   abode
                    abcd
       9
                                                   abcde+*-*
                    abcde
                    abcde/*-+
                                        t
                                                   abcde+ *- *f
        t
                    abcdel *-+f
                                             [ ]
                                                   abcde+*-*f
                                        +
        +
                    abcde/*-+f
              ± |
                                             [+]
        9
                    abcdel*-+fg
                                                  abcde+ *- * fq
              ±
              1 1
                                             1+1
                    abode/*-+fg
                                                  abcde + * - * fq
              至 |
                    abcdel * - + fgh
                                                   abcde+*-*fgh
                    abcde/*-+fgh*+-
                                                   abcde + * - * fgh * + -
3. a+b*c *d/(e*f)*g+h
                                   4. a+b-cc *d)-e-f+g-h
       a
                    a
                                       a
                                                  a
       +
              4
                    a
                                       +
                                             4
                                                  a
       b
                    ab
              +
                                             4
                                                  ab
              *
                   ab
                                             H
                                                  ab
       ×
                                       (
                                             ()
                                                  ab-+
              1
                    abc
       C
                                       C
                                            1
                                                  ab-+c
              1
                   abc
       ×
                                       *
                                            13
                                                  a0-+C
              #
                   abcd
       d
                                            1
                                       d
                                                  ab++cd
              +
                   abcd
                                            2
                                       )
                    abcd/**+
       (
              11
                   abcd/**+e
             101
                                      e
       e
                                                 ab-+cd*e
                   abcd/**+e
             1
       ×
                                           E
                                                 ab-+cd*e
                   abcd/**+cf
       f
             111
                                      f
                                           1=1
                                                 ab-+cd*ef
                   abcd!**+ef
              Cau
                                           直
      )
                                      +
                                                 ab-+cd*ef
                   abcd/**+ef*
      ×
              *
                                           =
                                                 ab-+cd*efg
                   abcd1**+ef*g
      9
                                           直
             *
                                                 ab-+cd*efg
                   abcd/**+ef*9
                                           直
             |*
                                                 ab-+cd*efgh
                   abcd/**+ef*gh
abcd/**+ef*gh+*
             *
                                                 ab-+cd efgh-+-
```

```
J. a+(b+c)* d/e+f/g*h
                                  6. alb * C*d * (e-f)+gh
  a
               a
                                     a
                                                     a
  +
       [+]
              a
                                                     a
       ()
  (
               a+
                                             1
                                                    ab
                                     b
               a+b
       11
  b
                                                    ab
       Lil
  +
              a+b
                                     C
                                            *
                                                    abc
        t
              a+bc
  C
                                            *
                                     *
                                                    abc
  )
               a+bc
                                    d
                                            *
                                                    abcd
  *
              a+bc+
                                            **
                                     ¥
                                                    abcd
 d
        * / *
              atbetd
                                                   abcd ***/
                                             (
              a+bc+d
                                     e
        /* tx
                                                    abcd * * * /e
 e
                                             (
              a+bc+de
                                             5
                                                   abcd *** le
 +
              a+bc+ de
                                     f
 f
                                                   abcd ***/ef
              a+bc+det
                                            لتا
 1
              a+bc+def
                                     )
                                            1
                                                   abcd***/ef
 9
       大小田
              a+bc+defg
                                    +
                                            4
                                                   abcd***/ef-
              a+bc+defg
                                    9
 ×
                                            4
                                                   abcd * ** /ef-q
                                    ٨
                                           L
 h
              a+bc+defgh
                                                   abcd *** lef-g
             a+bc+defgh*/+/*
                                           4
                                    h
                                                   abcd ***/ef-gh
                                           Ш
                                                  abcd *** /ef-gh ++
7. (a^b)/c*dle-f+g+h
                                 8. a*b1
                                          c* ((d-e)-f)*g-h
       1
  (
                                                   a
                                     a
        161
                a
                                                   a
 a
        [2]
                                           *
                                     b
                                                   ab
                 a
 ٨
                                           ١
                                                   ab
        10
                 ab
 b
                                     C
                                           ٤
                                                   abc
        [ ]
                 ab
 )
                                     *
                                                   abc
  1
                                     (
                 ab1
                                           1(1
                                                   abc**
 d
                 ab^c
        1/1
                                     (
                                           1 { ]
                                                   abc*^*
                 ab^c
        1
  *
                                     d
                                          ( { |
                                                   abc*^*d
        *
                 ab'cd
 d
                                                   abc*1*d
        1/
                 ab'cd
                                     e
 1
                                                   abc*1 de
 e
                 ab'cde
        151
                                                   abc*^*de
                                          L-J
                 ab'cde/*/
                                                    abc*n*de-
                                    t
-
                                                    abc*n*de-f
                 ab'cdel*If
        1
 f
                                          13]
                                                    abc*^*de-f
                                    )
 +
                ab'cde 1 */f
         ±
                                                    abc*^*de-f
                                    ¥
                                          L* 1
 9
         #1
                ab'cde/*/fg
                                    9
                                                   abc*1* de-f-g
                                          *
                                                   abc* no de f - 9
 +
                                          *
                ab^cde/*/fg ab^cde/*/fgh
 h
                                    H
                                                   abc*1 de-f-gh
                                          1
                ab^cdel*/fgh++-
                                                   abc*** de-f-gh-*
```

```
10. alcb+c) *(d+(e+f)) ^g+h
9. a+b-c 1 ((d-e)-f)*(q-h)
                                                  a
  a
                                   a
              a
                                           1
  +
        +
                                                  0
              a
  b
                                           151
        +
              ab
                                   (
                                                  a
        +
              ab
                                                  ab
                                           5
 C
        [F]
              abc
                                                  ab
                                           1
        1
 ^
              abc
                                           [t]
                                                 abc
 (
        LU
              abc^==
                                   )
                                                  abc-/
 (
        []
              abc^=+
d
                                                 abc
        [
             abc^-+d
                                  (
                                                 abc*+1
                                           [
       ]
             abc^-+d
                                  d
                                           abc*+1d
9
       [ } ]
             abc^-+de
                                         +0,+0,40,100
        201
                                                 abc*+1d
             abc^-+de
)
                                  (
      abc+1d
             abc ^ -+ de-
                                  Ĉ
f
                                                 abc*+lde
            abc'-+de-f
)
                                                 abc*+/de
            abc'-+de-f
                                   f
*
                                                 abc*+1def.
      1
            abc^-+de-f-
                                  )
(
                                                 abc*+1def
            abc^-+de-f**
                                  )
g
      回回
            abc^-+de-f-*9
                                                 abc*fldef
                                  ٨
                                         abc*+ldef++
            abc'-+de-f-+g
h
                                  9
      1000
            abc^-+de-f-*gh
                                                 abc*+/def++9
)
                                 +
            abc^-+de-f-egh
abc^-+de-f-egh
                                         1
                                                 abc*+/def++9
                                 h
                                         人
                                                abc*/def++gh
                                                abc*+def++gn+n
```