## 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-+-
```

```
6. alb * C*d * (e-f)+gh
J. a+(b+c)*d/e+f/g*h
                                                   a
                                    a
      11
 a
              a
                                           1/1
                                                   a
       +
              a
 +
                                                   ab
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                                           111
 (
              a+
       10
              a+b
                                           *
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 b
                                   ¥
       11
              a+b
                                           *
 +
                                   C
                                                   abc
              a+bc
       1 1
 d
                                                   abc
                                   d
                                           13
 )
              a+bc
                                                   abcd
                                           **
 *
       *
              a+bc+
                                    *
                                                   abcd
 d
       *
                                                  abcd ***/
             a+bc+d
                                   (
                                            ( )
             a+bc+d
                                                   abcd***/e
                                    e
                                           (1
        *
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             a+bc+de
                                                  abcd *** le
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              a+bc+ de
                                    f
                                                  abcd ***/ef
                                           151
 f
             a+bc+det
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                                    )
             a+bc+def
                                           151
                                                  abcd***/ef
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                                    +
                                           1
                                                  abcd***/ef-
             a+bc+defq
                                    9
                                           4
              a+bc+defg
                                                  abcd * ** /ef-q
 *
                                           L
                                   ٨
                                                  abcd *** /ef-9
              a+bc+ defgh
 h
                                           4
             a+bc+defgh*/+/*
                                   h
                                                  abcd ***/ef-gh
                                                  abcd *** /ef-gh ^+
7. (a^b)/c*dle-f+g+h
                                 8. a*b^c* ((d-e)-f)*g-h
                                                   a
       ()
                                           (
                                    a
                                          *
                                                   a
                a
                                    ×
        (
 a
                                           1 *1
                                    b
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                                           ê
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                                    ٨
                 ab
        131
 b
                                          ١٤١
                                    C
                                                   abc
        ()
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                                     *
                                                  abc
                                    (
                                                   abc**
  1
        1
                 ab1
                ab'c
 d
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         11
        走
                 ab^c
                                                   abc* ^*d
                                    d
  *
                                                   abc*1*d
        17
                 ab'cd
 d
                                                   abc*1* de
                                    e
        14/
                 ab'cd
 1
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                                                   abc*^*de
                 ab^cde
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                 ab'cde/*/
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                                                    abc*n*de-f
                                          1-1
                 ab'cdel*If
  f
                                                    abc***def
                                          131
                                    )
                 ab'cde 1 */f
                                                    abc* 1 de f
        [ ± ]
  +
                                    ¥
                                          *
                                                   abc*1* de-f-g
  g
        ±1
                                    9
                 ab'cde/*/fg
                                          *
                                                   abc*n*de-f-g
        1 ± 1
                                          [+]
                 ab^cde/*/fghab^cde/*/fgh
                                                   abc*1 de-f-gh
                                    H
                                          1=1
        土
                                                   abc*n*de-f-gh*-
                 ab'cdel*/fgh++
```

9. a+b-c^((d-e)-f)\*(g-h) 10. a/cb+d) \*(d+(e+f)) ^g+h

```
a
                                                                                                                                                                                      a
        0
                                                                         a
                                                                                                                                                                                                                                  11
                                          +
       +
                                                                                                                                                                                                                                                                    a
                                                                         a
       b
                                          4
                                                                       ab
                                                                                                                                                                                                                                                                   a
                                          1
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                                        [<del>+</del>]
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   d
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                                      13
                                                                     abc^-+d
                                                                                                                                                                                   d
                                                                                                                                                                                                                               abc*+1d
                                       9
                                                                     abc^-+de
                                                                                                                                                                                                                            1
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                                                                    abc^-+de
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                                                                   abc'-+de-f
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 )
                                                                                                                                                                                   f
                                                                 abc'-+de-f
                                                                                                                                                                                                                                                           abc*+/def.
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                                   ×1
                                                                 abc^-+de-f-
                                                                                                                                                                                  )
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                                                                   abc'-+de-f*g
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                                   11200
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                                                                   abc^-+de-f*gh
                                                                                                                                                                            +
                                                                                                                                                                                                               1
  )
                                                                                                                                                                                                                                                        abc*+/def++g
                                                                  abc^-+de-f*gh
                                                                                                                                                                         h
                                                                 abc^-+de-f*gh-
                                                                                                                                                                                                               山
                                                                                                                                                                                                                                                      abc*/def++gh
                                                                                                                                                                                                                                                    abc*+def++gn+n
```