```
QREO--Version 1.002      !

    This version of REORDER produces the PURE cedric format

    The sign of the advection vector is rotated 90 degrees
    from the previous version
    and will now for a positive elapsed time,
    move the data in the direction of the azimuth
    angle instead of the opposite direction.


REORDER INPUT FILE=stdin

--------------------- input ----------------------
INPUT: "mist1.uf";
OUTPUT:"mist_grid";
RLONGITUDE:-86.8325;     RLATITUDE:34.8486;  RALTITUDE:0.264;
GLONGITUDE:-86.8325;     GLATITUDE:34.8486;  GALTITUDE:0.264;
;
XMIN:0;       XMAX:32;     XSPACING:0.4;    XRADIUS:.4;
YMIN:0;       YMAX:18;     YSPACING:0.4;    YRADIUS:.4;
ZMIN:.2;      ZMAX:7.2;    ZSPACING:1.0;    ZRADIUS:.6;
WEIGHTING FUNCTION: CRESSMAN;   ^THE DEFAULT;
;
DBZFIELD:DZ;     FIELD:VR,VELOC;      FIELD:TI,TIME;
COUNT:VR,VRCOUNT;
;
DISPLAY:DZ,0,2.5;       DISPLAY:VELOC,0,1;    DISPLAY:TIME,80,3.5;
LEVELS:0.3;
;
EXPERIMENT:MIST;    INSTRUMENT:CP4;
START:20-JUL-86,14:20:26;
STOP:20-JUL-86,14:22:44;
quit;
+++++++++++++++++ input attributes +++++++++++++++++
INPUT:mist1.uf;
OUTPUT:mist_grid;
RLONGITUDE:-86.8325;
RLATITUDE:34.8486;
RALTITUDE:0.264;
GLONGITUDE:-86.8325;
GLATITUDE:34.8486;
GALTITUDE:0.264;
XMIN:0;
XMAX:32;
XSPACING:0.4;
XRADIUS:.4;
YMIN:0;
YMAX:18;
YSPACING:0.4;
YRADIUS:.4;
ZMIN:.2;
ZMAX:7.2;
ZSPACING:1.0;
ZRADIUS:.6;
WEIGHTINGFUNCTION:CRESSMAN;
DBZFIELD:DZ;
FIELD:VR,VELOC;
FIELD:TI,TIME;
COUNT:VR,VRCOUNT;
DISPLAY:DZ,0,2.5;
DISPLAY:VELOC,0,1;
DISPLAY:TIME,80,3.5;
LEVELS:0.3;
EXPERIMENT:MIST;
INSTRUMENT:CP4;
START:20-JUL-86,14:20:26;
STOP:20-JUL-86,14:22:44;
```

```
QUIT;
==================================================
**fields** wtf=1 atn=-.230259e1 nflds=3 wtf=-32768 mnr=-32768 lenbox=7
DZVRTI
DZ       VELOC    TIME     VRCOUNT
ngpps=0 noutf=4 fieldsx
igs=1 qUFAP--true unix VERSION 13-AUG-90 11:00
Real file is '/dt/case/mist1.uf' unit 0
slat=34.849 slon=-86.833 salt=0.264 dlat=34.849 dlon=-86.833 dalt=0.264
dbas=90.000 earthr=.636681e4 srad=.636707e4 drad=.636707e4
i=1 DZ t=2
i=2 VR t=1
i=3 TI t=3
nyq=17.16 rc=73.43 x0=.454747e-12 y0=.320625e-19 z0=0 c...mark loop


SCAN INFO                    FIXED ANGLE INFO              VARYING ANGLE  SPACING INFO          BEAM
  NO. TYPE   TIMES           FIXED   CCW     CW    MEAN    CCW    CW      MIN.  MAX.  MEAN     COUNT
tot=38016 mxcart=797 ncarts=528 mxshlf=528
   1  RHI   14:20:26 14:20:33   44.0   44.08 44.42  44.10   1.0   49.3   0.00  0.92   0.34     144
   2 -RHI   14:20:33 14:20:41   45.9   45.58 45.91  45.89   0.4   47.8   0.00  0.97  -0.31     155
   3  RHI   14:20:41 14:20:49   47.8   46.17 48.20  47.78   0.3   49.2   0.00  0.48   0.31     156
   4 -RHI   14:20:50 14:20:58   49.7   49.33 49.70  49.67   0.4   47.8   0.00  1.02  -0.31     156
   5  RHI   14:20:58 14:21:06   51.6   49.98 52.08  51.52   0.3   49.2   0.00  0.63   0.31     158
   6 -RHI   14:21:06 14:21:14   53.5   53.16 53.48  53.47   0.4   47.8   0.00  0.75  -0.31     155
   7  RHI   14:21:14 14:21:22   55.4   53.83 55.34  55.31   0.3   48.8   0.00  0.53   0.31     155
   8 -RHI   14:21:22 14:21:30   57.3   56.83 57.27  57.22   0.4   48.2   0.00  1.02  -0.31     156
   9  RHI   14:21:31 14:21:39   59.2   57.59 59.66  59.10   0.3   49.2   0.00  0.53   0.31     157
  10 -RHI   14:21:39 14:21:47   61.1   60.73 61.34  61.05   0.3   47.9   0.00  1.06  -0.31     155
  11  RHI   14:21:47 14:21:55   63.0   61.89 63.02  62.98   0.3   49.0   0.00  0.66   0.32     154
  12 -RHI   14:21:55 14:22:03   64.9   64.16 65.17  64.87   0.3   48.6   0.00  1.02  -0.31     158
  13  RHI   14:22:03 14:22:12   66.8   65.72 67.56  66.79   0.3   49.2   0.00  0.48   0.31     158
  14 -RHI   14:22:12 14:22:20   68.7   68.37 68.64  68.64   0.3   47.3   0.00  1.09  -0.31     154
  15  RHI   14:22:20 14:22:28   70.6   69.02 71.03  70.49   0.3   49.3   0.00  0.58   0.31     158
  16 -RHI   14:22:28 14:22:36   72.5   72.11 72.80  72.43   0.4   47.9   0.00  0.70  -0.31     156
  17  RHI   14:22:36 14:22:44   74.4   73.33 74.37  74.33   0.3   49.3   0.00  0.53   0.31     158
total beams input=2643
total beams excluded=0
total gates after exclusions=2024538
total gates thresholded out=0
c...mark
Real cedric file name is /dt/case/mist_grid.ced

  Level  1  0.20 KM.  3726 Grid Points
DZ       Min -.121E+02 Max  .494E+02 Av -.633E-01 Sd  .130E+02  1850 Empty
VELOC    Min -.127E+02 Max  .709E+01 Av  .111E+00 Sd  .174E+01  1806 Empty
TIME     Min  .000E+00 Max  .132E+03 Av  .748E+02 Sd  .844E+02  1806 Empty
VRCOUNT  Min  .100E+01 Max  .158E+05 Av  .220E+03 Sd  .805E+03  1806 Empty

  Level  2  1.20 KM.  3726 Grid Points
DZ       Min -.156E+02 Max  .579E+02 Av  .153E+01 Sd  .135E+02  1828 Empty
VELOC    Min -.636E+01 Max  .529E+01 Av  .465E+00 Sd  .119E+01  1797 Empty
TIME     Min  .000E+00 Max  .135E+03 Av  .742E+02 Sd  .840E+02  1797 Empty
VRCOUNT  Min  .100E+01 Max  .744E+04 Av  .167E+03 Sd  .488E+03  1797 Empty

  Level  3  2.20 KM.  3726 Grid Points
DZ       Min -.218E+02 Max  .563E+02 Av -.649E+00 Sd  .152E+02  1896 Empty
VELOC    Min -.109E+02 Max  .107E+02 Av  .438E+00 Sd  .145E+01  1804 Empty
TIME     Min  .000E+00 Max  .138E+03 Av  .745E+02 Sd  .842E+02  1804 Empty
VRCOUNT  Min  .100E+01 Max  .280E+04 Av  .127E+03 Sd  .289E+03  1804 Empty

  Level  4  3.20 KM.  3726 Grid Points
DZ       Min -.248E+02 Max  .550E+02 Av -.116E+01 Sd  .156E+02  1972 Empty
VELOC    Min -.110E+02 Max  .723E+01 Av -.909E+00 Sd  .204E+01  1816 Empty
TIME     Min  .706E+00 Max  .138E+03 Av  .746E+02 Sd  .843E+02  1816 Empty
VRCOUNT  Min  .100E+01 Max  .142E+04 Av  .107E+03 Sd  .205E+03  1816 Empty
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```
   Level   5  4.20 KM.   3726 Grid Points
DZ        Min -.208E+02 Max  .537E+02 Av -.147E+01 Sd  .147E+02  1919 Empty
VELOC     Min -.170E+02 Max  .118E+02 Av -.288E+01 Sd  .325E+01  1829 Empty
TIME      Min  .100E+01 Max  .138E+03 Av  .746E+02 Sd  .842E+02  1829 Empty
VRCOUNT   Min  .100E+01 Max  .840E+03 Av  .944E+02 Sd  .159E+03  1829 Empty


   Level   6  5.20 KM.   3726 Grid Points
DZ        Min -.211E+02 Max  .481E+02 Av -.115E+01 Sd  .169E+02  2428 Empty
VELOC     Min -.855E+01 Max  .137E+02 Av -.733E+00 Sd  .208E+01  1843 Empty
TIME      Min  .100E+01 Max  .138E+03 Av  .748E+02 Sd  .843E+02  1843 Empty
VRCOUNT   Min  .100E+01 Max  .579E+03 Av  .849E+02 Sd  .130E+03  1843 Empty


   Level   7  6.20 KM.   3726 Grid Points
DZ        Min -.193E+02 Max  .464E+02 Av -.741E+00 Sd  .172E+02  2485 Empty
VELOC     Min -.145E+02 Max  .898E+01 Av -.248E+00 Sd  .205E+01  1858 Empty
TIME      Min  .109E+01 Max  .138E+03 Av  .749E+02 Sd  .844E+02  1858 Empty
VRCOUNT   Min  .100E+01 Max  .407E+03 Av  .772E+02 Sd  .109E+03  1858 Empty


   Level   8  7.20 KM.   3726 Grid Points
DZ        Min -.180E+02 Max  .442E+02 Av -.119E+01 Sd  .164E+02  2504 Empty
VELOC     Min -.106E+02 Max  .103E+02 Av  .911E-02 Sd  .209E+01  1878 Empty
TIME      Min  .199E+01 Max  .138E+03 Av  .750E+02 Sd  .845E+02  1878 Empty
VRCOUNT   Min  .100E+01 Max  .308E+03 Av  .709E+02 Sd  .947E+02  1878 Empty
c...mark
```

1

FIELD: DZ   INTERVAL BETWEEN SYMBOLS =   2.50
  -62.50   -50.00   -37.50   -25.00   -12.50   0.00   12.50   25.00   37.50   50.00
    | | | | | | | | | |
    y x w v u t s r q p o n m l k j i h g f e d c b a 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y

DATA FROM 20-JUL-86 14:20:26 TO 20-JUL-86 14:22:44   MIST   CP4/RP   BURGRE
LEVEL: 1   0.20 KM.
       0.0   4.0   8.0   12.0   16.0   20.0   24.0   28.0   32.0
        | | | | | | | | |
   18.0   0aabcdddddbcbb00accbbcccbbcccccccccc bc
                                                 00acccdddcbbccbbaccccccccc ccccccccc cccc
                                                 0A0bbcccddcbaccbbccccccccccccc cc cccccc
                                                 aa00ccccccccddcccdccccccccccbccc cccc ccccccc
                                                 AA0bcccccaabcbccddcccdccccbbcc cc cccc ccc
   16.0   a0Aabbcccbaabbbbccdcccddcccccccc   cccccc ccc
                                                 0aaabbcccaab0aabbcccccccdcccccccc cccccccc
                                                 baaaabbcaaaaa00bbbccccccccccccccc ccccc ccc   cc
                                                 babaacc0aaaaabaabbbcdccccddcccccccccc cc ccccc
                                                 cbabcccbaaba0acbaabbcbcccddddcccccccc   cccccb
   14.0   B0ccbbcdaaaaaaabcbbaabcbbbdccdcccccccccc ccccccccbc
                                                 00bddccba0a0aaabbbbccccccddccdccccddcc   cccccccbccc
                                                 00abcedcba0abbbbcbbccccccccddddcddddd cccccccccbcc
                                                 caEEbdedcc00bbbddcabcdcccccccddddcddd dcccccccbbbcc cc
                                                 aa0EE0ddddccccddcdbbccccddddcddddd cddccccbbbbbacbccc
   12.0   ab0AAA0ccddcccddddccddcbbcddddddddddddddcdcbbcbb bbccccc
                                                 dbcaa0abcbcddbbdddccbbccdddddddddddddddccccbac cbbbccccc
                                                 edccdddbbcbbbbdbbccdcaaaddddddddddddddccccccd cccccbc cccc
                                                 acedcccddddecbddaaccdbCDCddddddddddddccbbccdcccccccccc ccc
                                                 dcceeddcdddeeeeddbaccddBCCdddddddddccbbbbbccccccccccc   cc
   10.0   abdddbbddddddcddededcddddda0ddddddcbbcbccccccccccccc cccccc
                                                 cbbcccbbbbeeedcccddecceeeeabddddcbbbbbdddcccccccccc cc ccccc
                                                 dcbbbcccbbcddeecccddddddeeeeedddccba0acddddcccccccc ccccbb
                                                 babbccccbbbbcdeeeeeed00cebcddbcccdbaacdcccccdcdcccccccccccccbb
                                                 cbaabbbbba0A00bdeeeda0BBAbccdbbbddccccbcccccccccdcccdccccccccc
    8.0   Aaba0bbbaa0BCCCCacddddaDFFDCCadbbbcddccdcbccccdccdccccccccccc
                                                 caabaabcba0BDFHLMIa0AcBEGIIEDacbbbcccccdccccccdddcccccc
                                                 aabbbbbbbcc0BEFNPONKHCB0GJKKIDcccbbbbcbcccccccdccbcddccc
                                                 AAabbabcccbBJLPSSQOLIDCHJKKJHCcccbbbbcddccbbccccbbc
                                                 DB0acbCCbbbaCMQQRSROMIFFJLLKJHDabccccbccccbbbccb
    6.0   bBAb0abCDabb0CNQRRQPOOLHHJKLKIFDacdcccbbbbbba
                                                 A00BB0ab00bcbaCMQQQRRQOMKHIKLJHCbdcdcbbbbba
                                                 a00ACBabb00bbb0CMRRRRRPONKHIIHFEAcddccbb
                                                 da0ABBAabb0AA0aDFOSSRRQQQQQPKGFEbcddd
                                                 baaaABBAaaa0BBA0EHNRRRRQQPQRPKJGAab
    4.0   0ba00a0A000aaABBBCGLQRQPPQPPQPKK
                                                 CBBA0abaaaaa0ABBBCBDJOQQPQQQQR
                                                 aACCAbbbaa000AABEFDBBEMOQQQ
                                                 HECBCCCbbba0A0AAAHJHBCDIL
                                                 eJGC0ACB0aaa00000AIKJ0
    2.0   eOPPK0aBCBa0aaa00000
               IGPPOK00CCAaaaaaaa
              GHINNHHAaABabdd
              eCIJOPIHBcAD
              LKKKPQFDD
    0.0   KLKMM
        | | | | | | | | |
       0.0   4.0   8.0   12.0   16.0   20.0   24.0   28.0   32.0

1

FIELD: VELOC   INTERVAL BETWEEN SYMBOLS =   1.00
  -25.00   -20.00   -15.00   -10.00   -5.00   0.00   5.00   10.00   15.00   20.00
    | | | | | | | | | |
    y x w v u t s r q p o n m l k j i h g f e d c b a 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y

DATA FROM 20-JUL-86 14:20:26 TO 20-JUL-86 14:22:44   MIST   CP4/RP   BURGRE
LEVEL: 1   0.20 KM.
        0.0   4.0   8.0   12.0   16.0   20.0   24.0   28.0   32.0
         | | | | | | | | |
   18.0   aa0ba0BA0A00a0ab0aA0aa00abaa0AA00AAa ca
                                           AaaAaabACBaa000AA0a0AAbbbA AA0abAacaGB0aa
                                           AaaA00a0B00aaa0A0aa0acba0000ABBa00ib0A0a0
                                           0A0a00AA0caAAaaaAaba0cc00CA0ab0BB0 00000BA
                                           A00A0aABAbcb0aaaa00a00afb0CBAbaA0 a000abaaa
   16.0   A00000aAB0abbbbda00B0aaB0a0D00bcDBBA00AA0acg
                                           b00A000aAA000abaaaaa00adbaa0CC00ab0BBca0AAA
                                           aaa000a0ab0AAA00aa0bba0Aacaab0DFbbbaCCaa0d bb
                                           aaAAaaa0A00BAA00aa000a0AA000chca0b00ACA0 b00ab
                                           0adbA0aBA000A0000ab00A00a00a0CAba0cbba0 B000AaA
   14.0   000Abc0A0BB000000A000B000abb0aa0AadbcdbmaAA000A00
                                           a0000aa00AA000000A0aAA0bb0aaA0aaabbb0BA0a0ABBa0A0
                                           aa000aaa000AA00AA0AA0Aab00BB00AAAAbabA0a000aBBa0C
                                           aa000000aa00000a0Aa0A00baB0aA0aAA0BAAA0aabBCaaBb a0
                                           baaa000a00a00000000a0Aab0BA0ababaag0000aba0BDAAa0B0a
   12.0   0aaaa0aaa00a00ab0000aaA0ca0A00abbb0a00AA0AAB0 cb00A0b
                                           aaaaa00aab00a0abb0000aaCaa00baAAABbba0BBA0ACB00bb00c0A
                                           bbaaaaaaa0a00aaa0000aAAAAaa000aAaaAbc00AAB ABA0abc00a0C
                                           ecbaa0aaaa0aa0aaaa00aa0AA00abaAaa0aabaAAB0aaAAAB0caA00b
                                           abbaaaaaaaaaaa000bca00000000a0000bABA00C000aa0BB00a0CA cb
   10.0   0aaaaabbabbaaa0a00bcaAA00abAB0aaa00ABCbb0A0aaa0BBa0A000bcb
                                           baaaaaaaaabbbbbAAa00aA00ABB0abaaaaa0B0abba0AB00aAB00ABA0Aaba
                                           cbaaaaaaaabbbbb00a000000ACAaabaA000ABB0baAbbAA0b00aaABA0aba0
                                           bbbaabbaaaaaabcbaba000aa0aa00a0ABAAAaABA0AAcc0aaba0aaBB00acaB
                                           ccbaabbbaaa00abbaaaa0a0000ab0AA000ABAab000A0A0bcbaaa0ACBaabb
    8.0   cbcbabccbaaaaaaaabbaa000000aba0acbaa000a00BAAAAacc0A00ABCa
                                           dcbbbbccbbaaaaaa00bba0000AAA00baacbA0baA000A000BAaaAB0
                                           gdcbabbbcbbaaabbb000a0000AAAAA0baA0aBC0a0000Aaba0BA00
                                           dddccccccbccbaabcba0000000AAAAAA0aAAAAA000A00A0aA0
                                           ccccccccccccdcbabbbaAAAAAAAAAAAAB0000A00A0ACA0AB
    6.0   bcccbcdcccccdedcbaaa0BBBBAAAAAA00AAA00AAAA0aB
                                         Babcccddcddbbceeddcb0CEDBBAAAAAA00ABBBBBBBA
                                        00aaabcddcdcbbcefgeeb0CEDCAAAAAAA00aABBB
                                       BA00aaabcdbbbabdfhihgc0BDDDCA0AA00A0a0
                                      AAAA00a0accaaa0bdghihgdaABDDCBA000A
    4.0   0AAAAAA0A0abba00bdeggffecb0BCCBB
                                     CAAABAAAAA0A00ABAbcdefggfedb0A
                                   BAAAAAAA0ABBAAABBA0adeefggf
                                  0AAAAAAAAAACBAAAA0000bdcc
                                 A0AABBAAAAABBBBBBA00AA
    2.0   BAAAAAAAAAABBBBBCCCBA
                              AAAAAABBAAABCBBBB
                           000AABBBBBBABBC
                          0000AABBBBBC
                          0000AAABB
    0.0 0000A
         | | | | | | | | |
        0.0   4.0   8.0   12.0   16.0   20.0   24.0   28.0   32.0

1

FIELD: TIME   INTERVAL BETWEEN SYMBOLS =   3.50
    -7.50   10.00   27.50   45.00   62.50   80.00   97.50   115.00   132.50   150.00
      | | | | | | | | | |
      y x w v u t s r q p o n m l k j i h g f e d c b a 0 A B C D E F G H I J K L M N O P Q R S T U V W X Y

DATA FROM 20-JUL-86 14:20:26 TO 20-JUL-86 14:22:44   MIST   CP4/RP   BURGRE
LEVEL: 1   0.20 KM.
         0.0   4.0   8.0   12.0   16.0   20.0   24.0   28.0   32.0
          | | | | | | | | |
   18.0   wwwtssssspnnnnnnnjjjjjjjjjjeeeeeeeeee 00
                                      wwwtssssspnnnnnnnjjjjjjjj eeeeeeeeee0000
                                      wwwtssssonnnnnnkjjjjjjjieeeeeeeeeee000000
                                      wwwtsssssonnnnnnjjjjjjjjjeeeeeeeeee 0000000
                                      wwwtsssssonnnnnnjjjjjjjjieeeeeeee 000000000
   16.0   wwwtssssonnnnnkjjjjjjeeeeeeeeeee00000000000
                                      wwwtsssssnnnnnnjjjjjjjjeeeeeeeeee00000000000
                                      wwwtssssqnnnnnnjjjjjjjeeeeeeeeeee0000000000 DD
                                      wwtssssspnnnnnljjjjjjieeeeeeeeee0000000000 DDDDD
                                      wwtsssspnnnnnkjjjjjfeeeeeeee0000000000 DDDDDDE
   14.0   wwwtssssonnnnmjjjjjjieeeeeeeeea0000000000DDDDDDEEE
                                   wwtsssonnnnmjjjjjjfeeeeeeeb0000000000DDDDDDEEEEE
                                  wwtsssronnnnkjjjjjheeeeeeeec0000000000DDDDDDEEEEEE
                                  wwtsssronnnnjjjjjifeeeeeee0000000000DDDDDDEEEEEE II
                                  wwtsssqonnnljjjjjheeeeeeea000000000DDDDDEEEEEEIIIII
   12.0   wwtsssqnnnnkjjjjjfeeeeeeb00000000CDDDDDEEEEEE IIIIIII
                                 wwtsssspnnnnkjjjjheeeeeeecа0000000CDDDDDEEEEEEIIIIIIIII
                                 wwtssrpnnnmjjjjjifeeeeeeea0000000CDDDDDEEEEE IIIIIIIIII
                                 wwtssronnnljjjjheeeeeeea0000000CDDDDDEEEEEIIIIIIIIIIIII
                                 wwtssronnnkjjjifeeeeeeb0000000CDDDDEEEEEEIIIIIIIIIIIIII NN
   10.0   wwtssqonnmjjjjheeeeeca000000CDDDDEEEEEIIIIIIIIIIIIIIIINNNNNN
                                 wwtssqonnljjjifeeeeda000000CDDDDEEEEGIIIIIIIIIIIIIINNNNNNNN
                                 wwtssqonnkjjjhfeeedb000000CDDDDEEEEHIIIIIIIIIIINNNNNNNNNN
                                 wvtssponmkjjigeeeeba0000ACDDDDEEEFIIIIIIIIIIIINNNNNNNNNNNNNNN
                                 wwtsrpnnljjjhfeeeca0000ACDDDDEEEHIIIIIIIIIIINNNNNNNNNNNNNNNNN
    8.0   wwtsrpnnkjjigeeeda0000ACDDDEEEFIIIIIIIIIIINNNNNNNNNNNNNNNNN
                                 wvtsronmkjjhfeedba000ACDDDEEEGIIIIIIIIIIIMNNNNNNNNNNNNNNNN
                                 wvtsqonlkjigeeeba000ACDDDEEFHIIIIIIIIIJMNNNNNNNNNNNNNNNN
                                 wvtsqonljjhfeeca000ACDDDEEGIIIIIIIIKMNNNNNNNNNNNNNNN
                                 wvtsqomkjigeedba00BCDDDEFHIIIIIIIJMNNNNNNNNNNNNNNN
    6.0   wvtsqomkjhfedba00BCDDDEGHIIIIIIKMNNNNNNNNNNNNNN
                                 wvtspnljigeeca00BCDDEFGIIIIIIKMNNNNNNNNNNNNN
                                 wvtrpnljhfecb00BCDDEGHIIIIIKMMNNNNNNNNNNNN
                                 wutrpmkigfdba0BCDDEGHIIIJKLMNNNNNNNNNNN
                                 wutromjhfdca0BCDEFHHIIJKLMNNNNNNNNNN
    4.0   wvtroligeca0BCDEGHIIJKLMNNNNNNNNN
                                 wvtqnkhfdb0BCDFGHIJKLMNNNNNNNNN
                                 wusqmjgdb0BCEFHIJKLMNNNNNNNN
                                 wusplifcaBDEGHJKLMMNNNNNNN
                                 wusokgdaBDFGIKLMMNNNNNN
    2.0   wtrnjeaBDFHJLLMNNNNNN
                                 wtqmgbBEGJKLMNNNN
                                 wrojdBFIKLMNNNN
                                 vplfAFIKLNNN
                                 febCHKMNN
    0.0 ebELN
          | | | | | | | | |
         0.0   4.0   8.0   12.0   16.0   20.0   24.0   28.0   32.0
1
processing finished
stop