Additional inputs used for MVISBK = 7:

  The weather data file (DATSAV abbreviated space-delimited) that
  is identified as VSRN.DAT may contain data for more than one
  station. Identify the stations that are needed in the order in
  which they will be used to obtain valid weather and visual range.
  The first station that contains valid data for an hour will be
  used. Enter up to MXWSTA (set in PARAMS file) integer station IDs
  of up to 6 digits each as variable IDWSTA, and enter the corresponding
  time zone for each, as variable TZONE (= UTC-LST).

  A prognostic weather data file with Bext for weather events may be used
  in place of the observed weather file. Identify this as the VSRN.DAT
  file and use a station ID of IDWSTA = 999999, and TZONE = 0.

  NOTE: TZONE identifies the time zone used in the dataset. The
         DATSAV abbreviated space-delimited data usually are prepared
         with UTC time rather than local time, so TZONE is typically
         set to zero.

  (IDWSTA)   -- No default   * IDWSTA = 000000 *
  (TZONE)   -- No default   * TZONE =   0. *

Additional inputs used for MVISBK = 2,3,6,7,8:

  Background extinction coefficients are computed from monthly
  CONCENTRATIONS of ammonium sulfate (BKSO4), ammonium nitrate (BKNO3),
  coarse particulates (BKPMC), organic carbon (BKOC), soil (BKSOIL), and
  elemental carbon (BKEC). Month 1 is January.
  (ug/m**3)

  (BKSO4)   -- No default   ! BKSO4 = 0,0,0,0,0,0,0,0,0,0,0,0 !
  (BKNO3)   -- No default   ! BKNO3 = 0,0,0,0,0,0,0,0,0,0,0,0 !
  (BKPMC)   -- No default   ! BKPMC = 0,0,0,0,0,0,0,0,0,0,0,0 !
  (BKOC)   -- No default   ! BKOC = 0,0,0,0,0,0,0,0,0,0,0,0 !
  (BKSOIL) -- No default   ! BKSOIL = 0,0,0,0,0,0,0,0,0,0,0,0 !
  (BKEC)   -- No default   ! BKEC = 0,0,0,0,0,0,0,0,0,0,0,0 !

Additional inputs used for MVISBK = 8:

  Extinction coefficients for hygroscopic species (modeled and
  background) may be computed using hourly RH values and hourly
  modeled concentrations, or using monthly RH values inferred from
  the RHFAC adjustment factors and either hourly or daily modeled
  concentrations, or using monthly RHFSML, RHFLRG, and RHFSEA adjustment
  factors and either hourly or daily modeled concentrations.

  (M8_MODE) -- Default: 5   ! M8_MODE = 5 !
                 FLAG (2010)

        1 = Use hourly RH values from VISB.DAT file with hourly
            modeled and monthly background concentrations.
        2 = Use monthly RH from monthly RHFAC and EPA (2003) f(RH) tabulation
            with hourly modeled and monthly background concentrations.
            (VISB.DAT file is NOT needed).
        3 = Use monthly RH from monthly RHFAC with EPA (2003) f(RH)
tabulation
            with daily modeled and monthly background concentrations.

```
                    (VISB.DAT file is NOT needed).
       4 = Use monthly RHFSML, RHFLRG, and RHFSEA with hourly modeled
           and monthly background concentrations.
           (VISB.DAT file is NOT needed).
       5 = Use monthly RHFSML, RHFLRG, and RHFSEA with daily modeled
           and monthly background concentrations.
           (VISB.DAT file is NOT needed).

   Background extinction coefficients are computed from monthly
   CONCENTRATIONS of sea salt (BKSALT).  Month 1 is January.
   (ug/m**3)

   (BKSALT) -- No default      ! BKSALT = 0,0,0,0,0,0,0,0,0,0,0,0 !


   Extinction coefficients for hygroscopic species (modeled and
   background) can be computed using monthly RH adjustment factors
   in place of an hourly RH factor (VISB.DAT file is NOT needed).
   Enter the 12 monthly factors here (RHFSML,RHFLRG,RHFSEA).
   Month 1 is January.  (Used if M8_MODE = 4 or 5)

   Small ammonium sulfate and ammonium nitrate particle sizes
   (RHFSML) -- No default      ! RHFSML = 0,0,0,0,0,0,0,0,0,0,0,0 !

   Large ammonium sulfate and ammonium nitrate particle sizes
   (RHFLRG) -- No default      ! RHFLRG = 0,0,0,0,0,0,0,0,0,0,0,0 !

   Sea salt particles
   (RHFSEA) -- No default      ! RHFSEA = 0,0,0,0,0,0,0,0,0,0,0,0 !

 Additional inputs used for MVISBK = 2,3,5,6,7,8:
 ------------------------------------------------
  Extinction due to Rayleigh scattering is added (1/Mm)
                        (BEXTRAY) -- Default: 10.0 ! BEXTRAY = 10.0 !

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 3 -- Output options
--------------

Documentation
-------------

   Documentation records contained in the header of the
   CALPUFF output file may be written to the list file.
   Print documentation image?
                        (LDOC) -- Default: F   ! LDOC = F !


Types of tabulations reported
-----------------------------

 1) Visibility: daily visibility tabulations are always reported
               for the selected receptors when ASPEC = VISIB.
               In addition, any of the other tabulations listed
               below may be chosen to characterize the light
               extinction coefficients.
               [List file or Plot/Analysis File]
```

2) Top 50 table for each averaging time selected
   [List file only]
                         (LT50) -- Default: T   ! LT50 = T !

3) Top 'N' table for each averaging time selected
   [List file or Plot file]
                         (LTOPN) -- Default: F   ! LTOPN = T !

      -- Number of 'Top-N' values at each receptor
         selected (NTOP must be <= 4)
                         (NTOP) -- Default: 4   ! NTOP = 1 !

      -- Specific ranks of 'Top-N' values reported
         (NTOP values must be entered)
                   (ITOP(4) array) -- Default: ! ITOP = 1 !
                                       1,2,3,4

      -- Screen applied to values before updating stored ranks
                         (ITOPS) -- Default: 0   ! ITOPS = 0 !

         0 = No screen: all values at each receptor are ranked
                       (rank 1 and rank 2 may be in same day)
         1 = Day screen: only peak value in day at each receptor
                       is ranked
                       (rank 1 and rank 2 may not be in same day)

4) Threshold exceedance counts for each receptor and each averaging
   time selected
   [List file or Plot file]
                         (LEXCD) -- Default: F   ! LEXCD = F !

      -- Counts for the shortest averaging period selected can be
         tallied daily, and receptors that experience more than NCOUNT
         counts over any NDAY period will be reported. This type of
         exceedance violation output is triggered only if NDAY > 0.

         Accumulation period(Days)
                         (NDAY) -- Default: 0   ! NDAY = 0 !
         Number of exceedances allowed
                         (NCOUNT) -- Default: 1   ! NCOUNT = 1 !

5) Selected day table(s)

   Echo Option -- Many records are written each averaging period
   selected and output is grouped by day
   [List file or Plot file]
                         (LECHO) -- Default: F   ! LECHO = F !

   Timeseries Option -- Averages at all selected receptors for
   each selected averaging period are written to timeseries files.
   Each file contains one averaging period, and all receptors are
   written to a single record each averaging time.
   [TSERIES_ASPEC_ttHR_CONC_TSUNAM.DAT files]
                         (LTIME) -- Default: F   ! LTIME = F !

   Peak Value Option -- Averages at all selected receptors for
   each selected averaging period are screened and the peak value

```
                each period is written to timeseries files.
                Each file contains one averaging period.
                [PEAKVAL_ASPEC_ttHR_CONC_TSUNAM.DAT files]
                                  (LPEAK) -- Default: F    ! LPEAK = F !


            -- Days selected for output
                        (IECHO(366)) -- Default: 366*0
               ! IECHO = 366*1 !
               (366 values must be entered)

Plot output options
-------------------

        Plot files can be created for the Top-N, Exceedance, and Echo
        tables selected above.  Several formats for these files are available:
         - Tabular listings for ALL selected receptors, reporting the (x,y)
            location and value(s) in columns
               .DAT -- Columns are formatted for direct viewing in text editors
               .CSV -- Columns are delimited by commas
         - Raster formats in which results at GRIDDED receptors ONLY are
            written using a compact representation.
               .GRD -- SURFER(R) plotting software format
               .ASC -- ESRI ASCII Grid format
        The CSV (comma-separated-variable) format is useful for importing
        results into software that automatically recognizes CSV files.
        The SURFER and ESRI raster formats are similar, but are specific
        to the type of software indicated.  GRD files can be read directly
        into SURFER.  ASC files can be read into ArcMap/ArcGIS systems.

        Generate Plot file output in addition to writing tables
        to List file (ECHO goes to either List or Plot)?
                                  (LPLT) -- Default: F   ! LPLT = T !

        Plot cumulative values in addition to incremental values?
                                  (LCUM) -- Default: F   ! LCUM = F !

        Plot file format?          (PLOTFM) -- Default: 1   ! PLOTFM = 1 !

               1 = .DAT  CALVIEW/SURFER (formatted columns)
               2 = .CSV  ArcMap/ArcGIS  (comma-separated-variable columns)
               3 = .GRD  CALVIEW/SURFER (SURFER 2D grid raster format)
               4 = .ASC  ArcMap/ArcGIS  (ESRI ASCII 2D grid raster format)


Auxiliary Output Files (for subsequent analyses)
------------------------------------------------

        Visibility

        A separate output file may be requested that contains the change
        in visibility at each selected receptor when ASPEC = VISIB.  This
        file can be processed to construct visibility measures that are
        not available in CALPOST.

        Output file with the visibility change at each receptor?
                                  (MDVIS) -- Default: 0   ! MDVIS = 0 !

               0 =  Do Not create file
               1 =  Create file of DAILY (24 hour) Delta-Deciview
               2 =  Create file of DAILY (24 hour) Extinction Change (%)
```

```
            3 =   Create file of HOURLY Delta-Deciview
            4 =   Create file of HOURLY Extinction Change (%)


Additional Debug Output
-----------------------

    Output selected information to List file
     for debugging?
                                (LDEBUG) -- Default: F  ! LDEBUG = F !

    Output hourly extinction information to REPORT.HRV?
     (Visibility Method 7)
                                (LVEXTHR) -- Default: F  ! LVEXTHR = F !

!END!
--------------------------------------------------------------------------------

INPUT GROUP: 4 -- Species processing information
--------------

Definitions:
------------

        Species to process        (ASPEC) -- No default
        Notes --
          a. ASPEC = VISIB for visibility processing

        Layer/deposition code     (ILAYER) -- Default: 1
          '1'  for CALPUFF concentrations,
          '-1' for dry deposition fluxes,
          '-2' for wet deposition fluxes,
          '-3' for wet+dry deposition fluxes.
        Notes --
          a. Use actual model layer when processing
             3D gridded concentration data

        Units for Output          (IPRTU) -- Default: 0
                    Concentration Deposition
                    ------------- ----------
        -4 =          ppt                           parts per trillion
        -3 =          ppb                           parts per billion
        -2 =          ppm                           parts per million
        -1 =          %                             percent
         0 =         (data)       (data)            use units from data file
         1 =         g/m**3        g/m**2/s
         2 =        mg/m**3       mg/m**2/s
         3 =        ug/m**3       ug/m**2/s
         4 =        ng/m**3       ng/m**2/s
         5 =       Odour Units
        11 =        TBq/m**3      TBq/m**2/s    TBq=terabecquerel
        12 =        GBq/m**3      GBq/m**2/s    GBq=gigabecquerel
        13 =         Bq/m**3       Bq/m**2/s    Bq=becquerel (disintegrations/s)
        Notes --
          a. Use IPRTU=0 to retain the units in the data file
          b. Mass concentration output units (e.g. ug/m**3) are allowed
             only if input data are in mass concentration units
          c. Volume concentration output units (e.g. ppb) are allowed
             only if input data are in volume concentration units
          d. Radiation output units (e.g. GBq/m**3) are allowed
```

```
              only if input data are in radiation units
        e. Visibility extinction expressed in 1/Mega-meters (IPRTU is ignored)


    Scaling of the form:  X(new) = X(old) * A + B
    Multiplicative Factor              (A) -- Default: 0.0
    Additive Term                      (B) -- Default: 0.0
    Notes --
      a. Scaling is NOT applied if A = B = 0.0
      b. Additive term B must be provided in the IPRTU output units


    Averaging time(s) reported
      1-pd averages            (L1PD) -- Default: T
      (pd = averaging period of model output)
      1-hr averages            (L1HR) -- Default: T
      3-hr averages            (L3HR) -- Default: T
      24-hr averages          (L24HR) -- Default: T
      Run-length averages     (LRUNL) -- Default: T
      User-specified averaging time in hours, minutes, seconds
      (results for averaging time are reported if it is not zero)
                              (NAVGH) -- Default: 0
                              (NAVGM) -- Default: 0
                              (NAVGS) -- Default: 0


    Threshold concentrations (output units)
    used to tally threshold exceedance counts for each averaging time
    (used only if LEXCD = T)
      Threshold for  1-hr averages   (THRESH1) -- Default: -1.0
      Threshold for  3-hr averages   (THRESH3) -- Default: -1.0
      Threshold for 24-hr averages  (THRESH24) -- Default: -1.0
      Threshold for NAVG-hr averages (THRESHN) -- Default: -1.0


Values:
-------


    Assign NSPEC comma-separated values on a line for each of the variables
    in this group to identify which species are processed, and to provide
    species-related inputs.
    Species names must have 12 non-blank characters or less.
    Visibility applications must have only 1 species, and it must be VISIB.


    Variable Default  Assignment (VARIABLE = v(1), v(2), ... v(NSPEC))
    -------- -------  ----------------------------------------------
    Species  (none)  ! ASPEC = TSP, PM10, PM2.5 !
    Layer       1    ! ILAYER = 1,1,1 !
    Units       1    ! IPRTU = 3,3,3 !
    Multiply  0.0    ! A = 0.0, 0.0, 0.0 !
    Add       0.0    ! B = 0.0, 0.0, 0.0 !
    Averages --
    1-pd        T    ! L1PD = F,F,F !
    1-hr        T    ! L1HR = F,T,F !
    3-hr        T    ! L3HR = F,F,F !
    24-hr       T    ! L24HR = T,T,T !
    Run-length T     ! LRUNL = T,T,T !
    User-Hr     0    ! NAVGH = 0,0,0 !
    User-Min    0    ! NAVGM = 0,0,0 !
    User-Sec    0    ! NAVGS = 0,0,0 !
    Exceedance Thresholds --
    1-hr       -1.0  ! THRESH1 = -1.0,-1.0,-1.0 !
    3-hr       -1.0  ! THRESH3 = -1.0,-1.0,-1.0 !
```

```
        24-hr      -1.0      ! THRESH24 = -1.0,-1.0,-1.0 !
        NAVG-hr  -1.0      ! THRESHN = -1.0,-1.0,-1.0 !

     !END!

     ----------------------------------------------
   NOTICE: Starting year in control file sets the
           expected century for the simulation.  All
           YY years are converted to YYYY years in
           the range:  1940 2039
     ----------------------------------------------


   *************************************************************************
   **************************************************
                                         CALPOST  Version 7.2.0
   Level 150720
   *************************************************************************
   **************************************************



     CALPOST Control File Input Summary ------------------------

        Replace run data with data in Puff file 1=Y:    1
                         Run starting date -- year: 1990
                                           month:    0
                                             day:    0
                                      Julian day:    0
              Time at start of run  -  hour(0-23):    0
                                 -       minute:    0
                                 -       second:    0

                         Run ending date -- year:    0
                                           month:    0
                                             day:    0
                                      Julian day:    0
              Time at end of run  -  hour(0-23):    0
                                 -       minute:    0
                                 -       second:    0


                      Base time zone (Group 1): UTC+1000
                      Equivalent to time zone : -10.0

   Every period of data processed -- NREP = 1


     SAMPLER option
                             Processing method: 0
                    0= SAMPLER option not used
                    1= Report total modeled impact (list file)
                    2= TRACEBACK mode (DAT files)
                    3= TRACEBACK mode with sampling factor (DAT files)


     Source information
                  Source contribution processing: 0
                   0= No source contributions
```

```
                      1= Contributions are summed
                      2= TRACEBACK mode for 1 receptor
                      3= Reported TOTAL is processed



  Receptor information
                    Gridded receptors processed?: T
                   Discrete receptors processed?: T
      CTSG Complex terrain receptors processed?: F

  Gridded Receptors Processed

   (All Gridded Receptors are Used)

  Discrete Receptors Processed

   (All Discrete Receptors are Used)

  TOP-N ranked values Reported



  Species & Concentration/Deposition Information
                      Requested Species Number:    1
                                        Species: TSP
                    Layer of processed data:    1
     (>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)
                   Multiplicative scaling factor: 0.0000E+00
                         Additive scaling term: 0.0000E+00
              Hourly background values used?: F



  Visibility Processing is NOT Selected



  Output options
                    Units requested for output:    (ug/m**3)

  Averaging time(s) selected
        User-specified averaging time (hr:mm:ss):    0: 0: 0
                               1-pd averages:     F
                               1-hr averages:     F
                               3-hr averages:     F
                              24-hr averages:     T
                    User-specified averages:     F
                    Length of run averages:     T

  Output components selected
                                        Top-50:     T
                Top-N values at each receptor:     T
           Exceedance counts at each receptor:     F
       Output selected information for debugging:     F
                  Echo tables for selected days:     F
                  Time-series for selected days:     F
       Peak value Time-series for selected days:     F

  Top "n" table control
        Number of "top" values at each receptor:    1
        Specific ranks of "top" values reported:    1
```

Plot file option
                              Plot files created: T
                         Plot file format is DATA: .DAT

****
****
                                       CALPOST   Version 7.2.0
Level 150720
****
****

  MAPSPEC: Species Mapping
    Number of species-levels in file :   3
    Number of species-levels processed: 4

    Input species-levels in file processed
    Input ID   Processing ID   Name
         1   1   TSP   1
         2   2   PM10   1
         3   3   PM2.5   1

    All processed species-levels available
                 Processing ID   Name
                      1   TSP   1
                      2   PM10   1
                      3   PM2.5   1
                      4   NO2   1

    Processed species-level associated with background
                 Processing ID   Name
                      1   TSP   1

       Visibility Species
                 Processing ID   Name
no2gas   4   NO2   1

  IDENTIFICATION OF PROCESSED MODEL FILE ----------

  CALPUFF   7.3.1   171016

  CALPUFF Demonstration Run
  (Not intended as a guide for configuring options)

  Averaging time for values reported from model:
        1   HOUR

  Number of averaging periods in file from model:
        8760

  Chemical species names for each layer in model:
  TSP   1
  PM10   1
  PM2.5   1

```
QA Information -- Internal Representation of Data

CONTENTS OF CONTROL FILE ------------------------
 METRUN                   = 1
      (so times in model output file are used)
 isyr,ismo,isdy         = 2008 12 31
 ishr,ismin,issec       = 23 0 0
 ieyr,iemo,iedy         = 2009 12 31
 iehr,iemin,iesec       = 23 0 0
 nper                   = 8760

Data may be processed only within certain hours
     Hour 01 is processed for all averages
     Hour 02 is processed for all averages
     Hour 03 is processed for all averages
     Hour 04 is processed for all averages
     Hour 05 is processed for all averages
     Hour 06 is processed for all averages
     Hour 07 is processed for all averages
     Hour 08 is processed for all averages
     Hour 09 is processed for all averages
     Hour 10 is processed for all averages
     Hour 11 is processed for all averages
     Hour 12 is processed for all averages
     Hour 13 is processed for all averages
     Hour 14 is processed for all averages
     Hour 15 is processed for all averages
     Hour 16 is processed for all averages
     Hour 17 is processed for all averages
     Hour 18 is processed for all averages
     Hour 19 is processed for all averages
     Hour 20 is processed for all averages
     Hour 21 is processed for all averages
     Hour 22 is processed for all averages
     Hour 23 is processed for all averages
     Hour 24 is processed for all averages
 aspec,ilayer           =TSP            1
 asplv                  =TSP             1
 NO2CALC                = 1
 NO2 Converted from NOx by Single Factor
     RNO2NOX            = 1.00000000
 MSOURCE                = 0
 MCALMPRO               = 0
 MET1FMT                = 1
 LG,LD,LCT,LDRING       = T T F F
 IBGRID,IEGRID          = -1 -1
 JBGRID,JEGRID          = -1 -1
 NDRECP                 =
-1 0 0
 a,b,LSCALE             = 0.00000000E+00 0.00000000E+00 F
 (b is in internal data units)
 LBACK                  = F
 MVISBK                 = 8
 MVISCHECK              = 1
 AREANAME               =USER
 MFRH                   = 4
 RHMAX,BEXTRAY          = 95.0000000 10.0000000
 RHFRAC,BEXTBK          = 0.00000000E+00 0.00000000E+00
```

```
 LVSO4,LVNO3,LVNO2    = T T F
 LVOC,LVEC            = T T
 LVPMC,LVPMF,LVBK     = T T T
 SPECPMC,SPECPMF      =PMC            PMF
 EEPMC,EEPMF,EEPMCBK = 0.600000024 1.00000000 0.600000024
 EESO4,EENO3,EEOC     = 3.00000000 3.00000000 4.00000000
 EESO4S,EENO3S,EEOCS = 2.20000005 2.40000010 2.79999995
 EESO4L,EENO3L,EEOCL = 4.80000019 5.09999990 6.09999990
 EESOIL,EEEC,EENO2    = 1.00000000 10.0000000 0.175500005
 navg,ntop            = 0 1
 navgh,navgm,navgs    = 0 0 0
 itop                 = 1
 itops                = 0
 L[1,3,24]HR          = F F T
 LNAVG, LRUNL         = F T
 LT50, LTOPN, LEXCD   = T T F
 LECHO, LTIME, LPEAK  = F F F
 LCUM                 = F
 THRESH1              = -1.00000000
 THRESH3              = -1.00000000
 THRESH24             = -1.00000000
 THRESHN              = -1.00000000
 (Thresholds in output data units)(ug/m**3)
 STHRESH1             = -1.00000000
 STHRESH3             = -1.00000000
 STHRESH24            = -1.00000000
 STHRESHN             = -1.00000000
 (S-Thresholds in internal data units)
 LPLT,IPLOTFM         = T 1
 MDVIS                = 0
 LDEBUG               = F
 LCTSG                = F

 CONTENTS OF HEADER OF MODEL OUTPUT FILE ----------
 model :   CALPUFF     7.3.1          171016
 msyr,mjsday      = 2008 366
 mshr,mssec       = 23 0
 nsecdt (period)  = 3600
 axbtz            = UTC+1000
 xbtz             = -10.0000000
 mnper,nszout,mavgpd = 8760 3 1
 xorigkm,yorigkm,nssta =   709.800049 6048.30029 0
 ielmet,jelmet = 101 101
 delx,dely,nz = 0.200000003 0.200000003 1
 iastar,iastop,jastar,jastop = 1 101 1 101
 isastr,isastp,jsastr,jsastp = 38 63 38 63
 (computed) ngx,ngy  = 51 51
 meshdn           = 2
 ndrec,nctrec,LSGRID = 3 0 T

 Discrete Receptors (n,x,y,z,ht,group):
 1 720.197083 6058.28857 17.0000000 0.00000000E+00 1
 2 720.554077 6057.76270 25.0000000 0.00000000E+00 2
 3 719.615051 6057.70947 56.0000000 0.00000000E+00 3
 Discrete Receptor Groups (group,name):
 1 1
 2 2
 3 3


 Number of Sources by Type
```

```
Control-file POINT Sources :          0
EMARB-file POINT Sources   :          0
Control-file AREA Sources  :          0
EMARB-file AREA Sources    :          0
Control-file LINE Sources  :          0
EMARB-file LINE Sources    :          0
Control-file VOLUME Sources:         31
EMARB-file VOLUME Sources  :          0
(boundary sources)         :          0
Control-file FLARE Sources :          0
EMARB-file FLARE Sources   :          0
Control-file ROAD Sources  :          0
EMARB-file ROAD Sources    :          0
Control-file SPRAY Sources :          0
EMARB-file SPRAY Sources   :          0

  Source Names
VT1
VT2
VT3
VT4
VT5
VT6
VT7
VT8
VT9
VT10
VT11
VT12
VT13
VT14
VT15
VT16
VT17
VT18
VT19
VT20
UNLD
WE1
WE2
WE3
WE4
WE5
WE6
WE7
RECLM
SHIPLD
RECHIP




**************    NOTICE    **************
NDRECP array reset to full range: all 1s

**************    NOTICE    **************
Gridded receptor range reset to NGX by NGY
```

```
          --------------------------------------------------------------------
          --------------------------------------------------------
                INPUT FILES

 Default Name       Unit No.      File Name and Path
 ------------       --------      ------------------
  CALPOST.INP           5         KIPT_Stage_2_calpost1.inp
    MODEL.DAT           4
c:\users\public\documents\work\20180626\calpuff.con


          --------------------------------------------------------------------
          --------------------------------------------------------
                OUTPUT FILES

 Default Name       Unit No.      File Name and Path
 ------------       --------      ------------------
  CALPOST.LST           8         calpost1.lst
     (TOPN)            11         RANK()_SPECIES_ttHR_CONC_r1.DAT

****************************************************************************************
*************************************************************
                                              CALPOST   Version 7.2.0
Level 150720
****************************************************************************************
*************************************************************


                           TSP              1

               TOP-50    24   HOUR AVERAGE   CONCENTRATION VALUES   (ug/m**3)

  (Data are processed only in Hours: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
16 17 18 19 20 21 22 23 24)
    STARTING YEAR  DAY TIME(HHMM) RECEPTOR   TYPE    CONCENTRATION    COORDINATES
(km)

           2009  118    2300    ( 27,  27)  G      1.7099E+02      719.900
6058.400
           2009   64    2300    ( 27,  28)  G      1.4338E+02      719.900
6058.500
           2009  118    2300    ( 27,  24)  G      1.3971E+02      719.900
6058.100
           2009  125    2300    ( 27,  28)  G      1.3577E+02      719.900
6058.500
           2009  289    2300    ( 27,  28)  G      1.3547E+02      719.900
6058.500
           2009  118    2300    ( 26,  24)  G      1.3412E+02      719.800
6058.100
           2009  146    2300    ( 27,  28)  G      1.2403E+02      719.900
6058.500
           2009  118    2300    ( 27,  26)  G      1.2121E+02      719.900
6058.300
           2009  154    2300    ( 27,  24)  G      1.1958E+02      719.900
6058.100
           2009  121    2300    ( 27,  28)  G      1.1762E+02      719.900
6058.500
           2009   50    2300    ( 27,  28)  G      1.1551E+02      719.900
6058.500
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2009	118	2300	(27,	25)	G	1.1203E+02	719.900	6058.200
2009	6	2300	(27,	28)	G	1.1167E+02	719.900	6058.500
2009	131	2300	(27,	28)	G	1.0981E+02	719.900	6058.500
2009	274	2300	(27,	28)	G	1.0833E+02	719.900	6058.500
2009	124	2300	(27,	28)	G	1.0830E+02	719.900	6058.500
2009	154	2300	(27,	27)	G	1.0781E+02	719.900	6058.400
2009	118	2300	(26,	25)	G	1.0679E+02	719.800	6058.200
2009	63	2300	(27,	28)	G	1.0644E+02	719.900	6058.500
2009	120	2300	(27,	28)	G	1.0586E+02	719.900	6058.500
2009	19	2300	(27,	28)	G	1.0572E+02	719.900	6058.500
2009	154	2300	(28,	24)	G	1.0564E+02	720.000	6058.100
2009	126	2300	(27,	28)	G	1.0560E+02	719.900	6058.500
2009	185	2300	(27,	28)	G	1.0555E+02	719.900	6058.500
2009	277	2300	(27,	28)	G	1.0233E+02	719.900	6058.500
2009	184	2300	(27,	28)	G	1.0057E+02	719.900	6058.500
2009	58	2300	(27,	28)	G	1.0037E+02	719.900	6058.500
2009	154	2300	(27,	25)	G	9.9789E+01	719.900	6058.200
2009	38	2300	(27,	28)	G	9.9516E+01	719.900	6058.500
2009	145	2300	(27,	28)	G	9.9128E+01	719.900	6058.500
2009	153	2300	(27,	26)	G	9.7627E+01	719.900	6058.300
2009	95	2300	(27,	28)	G	9.7553E+01	719.900	6058.500
2009	153	2300	(27,	27)	G	9.7041E+01	719.900	6058.400
2009	15	2300	(27,	28)	G	9.6011E+01	719.900	6058.500
2009	118	2300	(26,	23)	G	9.5926E+01	719.800	6058.000
2009	154	2300	(28,	25)	G	9.5788E+01	720.000	6058.200
2009	80	2300	(27,	28)	G	9.5272E+01	719.900	6058.500
2009	118	2300	(27,	23)	G	9.5202E+01	719.900	6058.000
2009	139	2300	(27,	28)	G	9.4766E+01	719.900	6058.500
2009	205	2300	(27,	27)	G	9.4208E+01	719.900	6058.400
2009	153	2300	(26,	25)	G	9.4117E+01	719.800	6058.200

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              2009    10    2300    ( 27,  28)  G    9.3754E+01    719.900
6058.500
              2009   273    2300    ( 27,  28)  G    9.3513E+01    719.900
6058.500
              2009   177    2300    ( 27,  28)  G    9.2423E+01    719.900
6058.500
              2009   260    2300    ( 27,  27)  G    9.2326E+01    719.900
6058.400
              2009    65    2300    ( 27,  28)  G    9.1701E+01    719.900
6058.500
              2009   219    2300    ( 27,  27)  G    9.0564E+01    719.900
6058.400
              2009   130    2300    ( 27,  28)  G    9.0403E+01    719.900
6058.500
              2009   153    2300    ( 26,  26)  G    8.9382E+01    719.800
6058.300
              2009    40    2300    ( 27,  28)  G    8.8914E+01    719.900
6058.500
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                                        CALPOST   Version 7.2.0
Level 150720
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                    TSP             1

            TOP-50 8760   HOUR AVERAGE   CONCENTRATION VALUES  (ug/m**3)

  (Data are processed only in Hours: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
16 17 18 19 20 21 22 23 24)
    STARTING YEAR   DAY TIME(HHMM) RECEPTOR   TYPE    CONCENTRATION   COORDINATES
(km)

              2008   366    2300    ( 27,  28)  G    3.8925E+01    719.900
6058.500
              2008   366    2300    ( 27,  27)  G    3.1429E+01    719.900
6058.400
              2008   366    2300    ( 27,  26)  G    2.8103E+01    719.900
6058.300
              2008   366    2300    ( 27,  25)  G    2.7455E+01    719.900
6058.200
              2008   366    2300    ( 26,  25)  G    2.3348E+01    719.800
6058.200
              2008   366    2300    ( 26,  26)  G    2.3155E+01    719.800
6058.300
              2008   366    2300    ( 27,  24)  G    1.9238E+01    719.900
6058.100
              2008   366    2300    ( 28,  25)  G    1.8755E+01    720.000
6058.200
              2008   366    2300    ( 28,  26)  G    1.8201E+01    720.000
6058.300
              2008   366    2300    ( 26,  28)  G    1.7028E+01    719.800
6058.500
              2008   366    2300    ( 26,  27)  G    1.6575E+01    719.800
6058.400
              2008   366    2300    ( 28,  27)  G    1.5631E+01    720.000
6058.400
```

Year	Day	Hour	(X, Y)	Type	Value		
2008	366	2300	(26, 24)	G	1.5433E+01	719.800	6058.100
2008	366	2300	(26, 29)	G	1.2929E+01	719.800	6058.600
2008	366	2300	(27, 29)	G	1.2872E+01	719.900	6058.600
2008	366	2300	(28, 24)	G	1.1092E+01	720.000	6058.100
2008	366	2300	(28, 28)	G	1.0938E+01	720.000	6058.500
2008	366	2300	(26, 30)	G	1.0443E+01	719.800	6058.700
2008	366	2300	(27, 30)	G	9.7053E+00	719.900	6058.700
2008	366	2300	(29, 26)	G	8.9300E+00	720.100	6058.300
2008	366	2300	(25, 26)	G	8.8815E+00	719.700	6058.300
2008	366	2300	(29, 25)	G	8.7178E+00	720.100	6058.200
2008	366	2300	(25, 25)	G	8.6521E+00	719.700	6058.200
2008	366	2300	(26, 31)	G	8.6352E+00	719.800	6058.800
2008	366	2300	(26, 32)	G	8.5863E+00	719.800	6058.900
2008	366	2300	(25, 28)	G	8.1138E+00	719.700	6058.500
2008	366	2300	(27, 31)	G	8.0450E+00	719.900	6058.800
2008	366	2300	(26, 33)	G	8.0115E+00	719.800	6059.000
2008	366	2300	(29, 27)	G	8.0032E+00	720.100	6058.400
2008	366	2300	(25, 27)	G	7.8705E+00	719.700	6058.400
2008	366	2300	(27, 32)	G	7.5910E+00	719.900	6058.900
2008	366	2300	(25, 29)	G	7.2553E+00	719.700	6058.600
2008	366	2300	(25, 30)	G	7.1984E+00	719.700	6058.700
2008	366	2300	(28, 29)	G	7.1752E+00	720.000	6058.600
2008	366	2300	(25, 32)	G	7.0766E+00	719.700	6058.900
2008	366	2300	(25, 31)	G	7.0201E+00	719.700	6058.800
2008	366	2300	(27, 33)	G	6.9138E+00	719.900	6059.000
2008	366	2300	(26, 34)	G	6.8747E+00	719.800	6059.100
2008	366	2300	(25, 33)	G	6.7819E+00	719.700	6059.000
2008	366	2300	(28, 30)	G	6.4499E+00	720.000	6058.700
2008	366	2300	(25, 24)	G	6.2966E+00	719.700	6058.100
2008	366	2300	(29, 28)	G	6.2237E+00	720.100	6058.500

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                2008    366    2300    ( 25,  34)  G      6.1346E+00       719.700
6059.100
                2008    366    2300    ( 29,  24)  G      6.0064E+00       720.100
6058.100
                2008    366    2300    ( 28,  31)  G      5.9756E+00       720.000
6058.800
                2008    366    2300    ( 26,  35)  G      5.8655E+00       719.800
6059.200
                2008    366    2300    ( 24,  29)  G      5.7647E+00       719.600
6058.600
                2008    366    2300    ( 27,  34)  G      5.7184E+00       719.900
6059.100
                2008    366    2300    ( 28,  32)  G      5.6087E+00       720.000
6058.900
                2008    366    2300    ( 24,  30)  G      5.6085E+00       719.600
6058.700


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                                          TSP              1


  1 RANKED     24    HOUR AVERAGE   CONCENTRATION VALUES AT EACH GRIDDED RECEPTOR
(YEAR,DAY,START TIME)    (ug/m**3)

  (Data are processed only in Hours: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
16 17 18 19 20 21 22 23 24)
RECEPTOR        COORDINATES (km)               1 RANK
   1,  1        717.300   6055.800    1.3098E+00 (2009,117,2300)
   1,  2        717.300   6055.900    1.4120E+00 (2009,117,2300)
   1,  3        717.300   6056.000    1.5138E+00 (2009,117,2300)
   1,  4        717.300   6056.100    1.6105E+00 (2009,117,2300)
   1,  5        717.300   6056.200    1.6960E+00 (2009,117,2300)
   1,  6        717.300   6056.300    1.7618E+00 (2009,117,2300)
   1,  7        717.300   6056.400    1.7986E+00 (2009,117,2300)
   1,  8        717.300   6056.500    1.7978E+00 (2009,117,2300)
   1,  9        717.300   6056.600    1.7526E+00 (2009,117,2300)
   1, 10        717.300   6056.700    1.6610E+00 (2009,117,2300)
   1, 11        717.300   6056.800    1.5274E+00 (2009,117,2300)
   1, 12        717.300   6056.900    1.4033E+00 (2009,111,2300)
   1, 13        717.300   6057.000    1.3359E+00 (2009,111,2300)
   1, 14        717.300   6057.100    1.2585E+00 (2009,111,2300)
   1, 15        717.300   6057.200    1.1747E+00 (2009,111,2300)
   1, 16        717.300   6057.300    1.0894E+00 (2009,111,2300)
   1, 17        717.300   6057.400    1.0036E+00 (2009,111,2300)
   1, 18        717.300   6057.500    9.2037E-01 (2009,111,2300)
   1, 19        717.300   6057.600    8.4083E-01 (2009,111,2300)
   1, 20        717.300   6057.700    7.6896E-01 (2009,111,2300)
   1, 21        717.300   6057.800    7.0890E-01 (2009,111,2300)
   1, 22        717.300   6057.900    7.1481E-01 (2009,251,2300)
   1, 23        717.300   6058.000    7.3797E-01 (2009,251,2300)
   1, 24        717.300   6058.100    7.6194E-01 (2009,251,2300)
   1, 25        717.300   6058.200    7.8824E-01 (2009,251,2300)
   1, 26        717.300   6058.300    8.1784E-01 (2009,251,2300)
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1, 27      717.300   6058.400    8.5498E-01 (2009,251,2300)
1, 28      717.300   6058.500    9.0723E-01 (2009,251,2300)
1, 29      717.300   6058.600    9.8380E-01 (2009,075,2300)
1, 30      717.300   6058.700    1.1198E+00 (2009,075,2300)
1, 31      717.300   6058.800    1.2794E+00 (2009,075,2300)
1, 32      717.300   6058.900    1.4665E+00 (2009,075,2300)
1, 33      717.300   6059.000    1.7352E+00 (2009,140,2300)
1, 34      717.300   6059.100    1.9379E+00 (2009,140,2300)
1, 35      717.300   6059.200    1.8382E+00 (2009,140,2300)
1, 36      717.300   6059.300    2.1323E+00 (2009,140,2300)
1, 37      717.300   6059.400    2.3533E+00 (2009,140,2300)
1, 38      717.300   6059.500    2.4653E+00 (2009,140,2300)
1, 39      717.300   6059.600    2.7407E+00 (2009,090,2300)
1, 40      717.300   6059.700    2.9941E+00 (2009,090,2300)
1, 41      717.300   6059.800    3.1763E+00 (2009,090,2300)
1, 42      717.300   6059.900    3.2730E+00 (2009,090,2300)
1, 43      717.300   6060.000    3.2761E+00 (2009,090,2300)
1, 44      717.300   6060.100    3.1841E+00 (2009,090,2300)
1, 45      717.300   6060.200    3.1986E+00 (2009,153,2300)
1, 46      717.300   6060.300    3.1796E+00 (2009,153,2300)
1, 47      717.300   6060.400    3.0761E+00 (2009,153,2300)
1, 48      717.300   6060.500    2.9061E+00 (2009,153,2300)
1, 49      717.300   6060.600    2.6893E+00 (2009,153,2300)
1, 50      717.300   6060.700    2.7032E+00 (2009,311,2300)
1, 51      717.300   6060.800    2.7862E+00 (2009,311,2300)
2,  1      717.400   6055.800    1.3021E+00 (2009,117,2300)
2,  2      717.400   6055.900    1.4061E+00 (2009,117,2300)
2,  3      717.400   6056.000    1.5113E+00 (2009,117,2300)
2,  4      717.400   6056.100    1.6142E+00 (2009,117,2300)
2,  5      717.400   6056.200    1.7103E+00 (2009,117,2300)
2,  6      717.400   6056.300    1.7923E+00 (2009,117,2300)
2,  7      717.400   6056.400    1.8500E+00 (2009,117,2300)
2,  8      717.400   6056.500    1.8738E+00 (2009,117,2300)
2,  9      717.400   6056.600    1.8543E+00 (2009,117,2300)
2, 10      717.400   6056.700    1.7860E+00 (2009,117,2300)
2, 11      717.400   6056.800    1.6690E+00 (2009,117,2300)
2, 12      717.400   6056.900    1.5344E+00 (2009,111,2300)
2, 13      717.400   6057.000    1.4742E+00 (2009,111,2300)
2, 14      717.400   6057.100    1.3984E+00 (2009,111,2300)
2, 15      717.400   6057.200    1.3117E+00 (2009,111,2300)
2, 16      717.400   6057.300    1.2192E+00 (2009,111,2300)
2, 17      717.400   6057.400    1.1260E+00 (2009,111,2300)
2, 18      717.400   6057.500    1.0338E+00 (2009,111,2300)
2, 19      717.400   6057.600    9.4612E-01 (2009,111,2300)
2, 20      717.400   6057.700    8.6484E-01 (2009,111,2300)
2, 21      717.400   6057.800    7.9416E-01 (2009,111,2300)
2, 22      717.400   6057.900    7.6190E-01 (2009,251,2300)
2, 23      717.400   6058.000    7.8702E-01 (2009,251,2300)
2, 24      717.400   6058.100    8.1391E-01 (2009,251,2300)
2, 25      717.400   6058.200    8.4347E-01 (2009,251,2300)
2, 26      717.400   6058.300    8.7676E-01 (2009,251,2300)
2, 27      717.400   6058.400    9.1830E-01 (2009,251,2300)
2, 28      717.400   6058.500    9.7534E-01 (2009,251,2300)
2, 29      717.400   6058.600    1.0566E+00 (2009,075,2300)
2, 30      717.400   6058.700    1.1936E+00 (2009,075,2300)
2, 31      717.400   6058.800    1.3545E+00 (2009,075,2300)
2, 32      717.400   6058.900    1.5548E+00 (2009,140,2300)
2, 33      717.400   6059.000    2.0398E+00 (2009,140,2300)
2, 34      717.400   6059.100    2.2785E+00 (2009,140,2300)
2, 35      717.400   6059.200    2.0043E+00 (2009,140,2300)
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2, 36      717.400    6059.300    2.3075E+00  (2009,140,2300)
2, 37      717.400    6059.400    2.5196E+00  (2009,140,2300)
2, 38      717.400    6059.500    2.6975E+00  (2009,090,2300)
2, 39      717.400    6059.600    3.0097E+00  (2009,090,2300)
2, 40      717.400    6059.700    3.2523E+00  (2009,090,2300)
2, 41      717.400    6059.800    3.4073E+00  (2009,090,2300)
2, 42      717.400    6059.900    3.4620E+00  (2009,090,2300)
2, 43      717.400    6060.000    3.4112E+00  (2009,090,2300)
2, 44      717.400    6060.100    3.3275E+00  (2009,153,2300)
2, 45      717.400    6060.200    3.3593E+00  (2009,153,2300)
2, 46      717.400    6060.300    3.2912E+00  (2009,153,2300)
2, 47      717.400    6060.400    3.1408E+00  (2009,153,2300)
2, 48      717.400    6060.500    2.9294E+00  (2009,153,2300)
2, 49      717.400    6060.600    2.7785E+00  (2009,311,2300)
2, 50      717.400    6060.700    2.8839E+00  (2009,311,2300)
2, 51      717.400    6060.800    2.9298E+00  (2009,311,2300)
3,  1      717.500    6055.800    1.3521E+00  (2009,257,2300)
3,  2      717.500    6055.900    1.3953E+00  (2009,117,2300)
3,  3      717.500    6056.000    1.5032E+00  (2009,117,2300)
3,  4      717.500    6056.100    1.6120E+00  (2009,117,2300)
3,  5      717.500    6056.200    1.7174E+00  (2009,117,2300)
3,  6      717.500    6056.300    1.8132E+00  (2009,117,2300)
3,  7      717.500    6056.400    1.8915E+00  (2009,117,2300)
3,  8      717.500    6056.500    1.9407E+00  (2009,117,2300)
3,  9      717.500    6056.600    1.9497E+00  (2009,117,2300)
3, 10      717.500    6056.700    1.9090E+00  (2009,117,2300)
3, 11      717.500    6056.800    1.8151E+00  (2009,117,2300)
3, 12      717.500    6056.900    1.6715E+00  (2009,117,2300)
3, 13      717.500    6057.000    1.6217E+00  (2009,111,2300)
3, 14      717.500    6057.100    1.5520E+00  (2009,111,2300)
3, 15      717.500    6057.200    1.4654E+00  (2009,111,2300)
3, 16      717.500    6057.300    1.3678E+00  (2009,111,2300)
3, 17      717.500    6057.400    1.2654E+00  (2009,111,2300)
3, 18      717.500    6057.500    1.1638E+00  (2009,111,2300)
3, 19      717.500    6057.600    1.0664E+00  (2009,111,2300)
3, 20      717.500    6057.700    9.7511E-01  (2009,111,2300)
3, 21      717.500    6057.800    8.9261E-01  (2009,111,2300)
3, 22      717.500    6057.900    8.2433E-01  (2009,111,2300)
3, 23      717.500    6058.000    8.4188E-01  (2009,251,2300)
3, 24      717.500    6058.100    8.7134E-01  (2009,251,2300)
3, 25      717.500    6058.200    9.0372E-01  (2009,251,2300)
3, 26      717.500    6058.300    9.4194E-01  (2009,251,2300)
3, 27      717.500    6058.400    9.8871E-01  (2009,251,2300)
3, 28      717.500    6058.500    1.0522E+00  (2009,251,2300)
3, 29      717.500    6058.600    1.1367E+00  (2009,251,2300)
3, 30      717.500    6058.700    1.2748E+00  (2009,075,2300)
3, 31      717.500    6058.800    1.4362E+00  (2009,075,2300)
3, 32      717.500    6058.900    1.7085E+00  (2009,140,2300)
3, 33      717.500    6059.000    2.2868E+00  (2009,140,2300)
3, 34      717.500    6059.100    2.6642E+00  (2009,140,2300)
3, 35      717.500    6059.200    2.1899E+00  (2009,140,2300)
3, 36      717.500    6059.300    2.5004E+00  (2009,140,2300)
3, 37      717.500    6059.400    2.6976E+00  (2009,140,2300)
3, 38      717.500    6059.500    2.9927E+00  (2009,090,2300)
3, 39      717.500    6059.600    3.3028E+00  (2009,090,2300)
3, 40      717.500    6059.700    3.5258E+00  (2009,090,2300)
3, 41      717.500    6059.800    3.6426E+00  (2009,090,2300)
3, 42      717.500    6059.900    3.6434E+00  (2009,090,2300)
3, 43      717.500    6060.000    3.5267E+00  (2009,090,2300)
3, 44      717.500    6060.100    3.5279E+00  (2009,153,2300)
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3, 47      717.500   6060.400    3.1853E+00  (2009,153,2300)
3, 48      717.500   6060.500    2.9315E+00  (2009,153,2300)
3, 49      717.500   6060.600    2.9854E+00  (2009,311,2300)
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3, 51      717.500   6060.800    3.0493E+00  (2009,311,2300)
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4,  6      717.600   6056.300    1.8254E+00  (2009,117,2300)
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4,  9      717.600   6056.600    2.0358E+00  (2009,117,2300)
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4, 21      717.600   6057.800    1.0067E+00  (2009,111,2300)
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4, 49      717.600   6060.600    3.1826E+00  (2009,311,2300)
4, 50      717.600   6060.700    3.1978E+00  (2009,311,2300)
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5,  28      717.700     6058.500      1.2359E+00  (2009,251,2300)
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5,  31      717.700     6058.800      1.6289E+00  (2009,251,2300)
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5,  37      717.700     6059.400      3.2947E+00  (2009,090,2300)
5,  38      717.700     6059.500      3.6832E+00  (2009,090,2300)
5,  39      717.700     6059.600      3.9621E+00  (2009,090,2300)
5,  40      717.700     6059.700      4.1057E+00  (2009,090,2300)
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5,  44      717.700     6060.100      3.8928E+00  (2009,153,2300)
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5,  47      717.700     6060.400      3.2092E+00  (2009,311,2300)
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5,  50      717.700     6060.700      3.5012E+00  (2009,138,2300)
5,  51      717.700     6060.800      3.7880E+00  (2009,138,2300)
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6, 30      717.800    6058.700    1.6058E+00  (2009,251,2300)
6, 31      717.800    6058.800    1.7742E+00  (2009,251,2300)
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6, 45      717.800    6060.200    3.8230E+00  (2009,153,2300)
6, 46      717.800    6060.300    3.5179E+00  (2009,153,2300)
6, 47      717.800    6060.400    3.4737E+00  (2009,311,2300)
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6, 49      717.800    6060.600    3.6335E+00  (2009,138,2300)
6, 50      717.800    6060.700    3.9516E+00  (2009,138,2300)
6, 51      717.800    6060.800    4.1341E+00  (2009,138,2300)
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7,  4      717.900    6056.100    2.0092E+00  (2009,168,2300)
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7,  7      717.900    6056.400    2.0455E+00  (2009,257,2300)
7,  8      717.900    6056.500    2.0836E+00  (2009,117,2300)
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7, 18      717.900    6057.500    1.9383E+00  (2009,111,2300)
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7, 47    717.900    6060.400    3.7173E+00 (2009,311,2300)
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8,  3    718.000    6056.000    2.5715E+00 (2009,155,2300)
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8,  7    718.000    6056.400    2.3126E+00 (2009,257,2300)
8,  8    718.000    6056.500    2.3306E+00 (2009,257,2300)
8,  9    718.000    6056.600    2.3400E+00 (2009,257,2300)
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8, 22    718.000    6057.900    1.5202E+00 (2009,111,2300)
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 8, 37        718.000    6059.400     4.6447E+00  (2009,090,2300)
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 8, 39        718.000    6059.600     5.0541E+00  (2009,090,2300)
 8, 40        718.000    6059.700     4.9238E+00  (2009,090,2300)
 8, 41        718.000    6059.800     4.6305E+00  (2009,153,2300)
 8, 42        718.000    6059.900     4.6658E+00  (2009,153,2300)
 8, 43        718.000    6060.000     4.5271E+00  (2009,153,2300)
 8, 44        718.000    6060.100     4.2462E+00  (2009,153,2300)
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 8, 47        718.000    6060.400     3.9456E+00  (2009,138,2300)
 8, 48        718.000    6060.500     4.3344E+00  (2009,138,2300)
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 9,  4        718.100    6056.100     2.8446E+00  (2009,155,2300)
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 9,  6        718.100    6056.300     2.5637E+00  (2009,220,2300)
 9,  7        718.100    6056.400     2.5933E+00  (2009,257,2300)
 9,  8        718.100    6056.500     2.6524E+00  (2009,257,2300)
 9,  9        718.100    6056.600     2.7017E+00  (2009,257,2300)
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 9, 14        718.100    6057.100     2.7501E+00  (2009,111,2300)
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 9, 16        718.100    6057.300     2.7918E+00  (2009,111,2300)
 9, 17        718.100    6057.400     2.7087E+00  (2009,111,2300)
 9, 18        718.100    6057.500     2.5616E+00  (2009,111,2300)
 9, 19        718.100    6057.600     2.3711E+00  (2009,111,2300)
 9, 20        718.100    6057.700     2.1562E+00  (2009,111,2300)
 9, 21        718.100    6057.800     1.9421E+00  (2009,111,2300)
 9, 22        718.100    6057.900     1.7434E+00  (2009,111,2300)
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 9, 24        718.100    6058.100     1.4157E+00  (2009,111,2300)
 9, 25        718.100    6058.200     1.4267E+00  (2009,251,2300)
 9, 26        718.100    6058.300     1.5115E+00  (2009,251,2300)
 9, 27        718.100    6058.400     1.6259E+00  (2009,251,2300)
 9, 28        718.100    6058.500     1.7712E+00  (2009,251,2300)
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 9, 30        718.100    6058.700     2.1433E+00  (2009,251,2300)
 9, 31        718.100    6058.800     2.4538E+00  (2009,090,2300)
 9, 32        718.100    6058.900     3.6760E+00  (2009,090,2300)
 9, 33        718.100    6059.000     5.2257E+00  (2009,090,2300)
 9, 34        718.100    6059.100     7.0209E+00  (2009,090,2300)
 9, 35        718.100    6059.200     4.2855E+00  (2009,090,2300)
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 9, 42      718.100    6059.900      4.9044E+00  (2009,153,2300)
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 9, 44      718.100    6060.100      4.2790E+00  (2009,153,2300)
 9, 45      718.100    6060.200      4.1638E+00  (2009,311,2300)
 9, 46      718.100    6060.300      4.1651E+00  (2009,311,2300)
 9, 47      718.100    6060.400      4.5599E+00  (2009,138,2300)
 9, 48      718.100    6060.500      4.8208E+00  (2009,138,2300)
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10,  7      718.200    6056.400      2.9552E+00  (2009,220,2300)
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10, 43      718.200    6060.000      4.7331E+00  (2009,153,2300)
10, 44      718.200    6060.100      4.4298E+00  (2009,311,2300)
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11,  5      718.300    6056.200    3.6113E+00  (2009,155,2300)
11,  6      718.300    6056.300    3.4629E+00  (2009,155,2300)
11,  7      718.300    6056.400    3.3503E+00  (2009,220,2300)
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11,  9      718.300    6056.600    3.4912E+00  (2009,220,2300)
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11, 18      718.300    6057.500    3.4119E+00  (2009,257,2300)
11, 19      718.300    6057.600    3.1904E+00  (2009,111,2300)
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11, 21      718.300    6057.800    2.6513E+00  (2009,111,2300)
11, 22      718.300    6057.900    2.3817E+00  (2009,167,2300)
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11, 25      718.300    6058.200    1.6959E+00  (2009,251,2300)
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11, 31      718.300    6058.800    3.4572E+00  (2009,090,2300)
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11, 37      718.300    6059.400    6.3745E+00  (2009,090,2300)
11, 38      718.300    6059.500    6.3383E+00  (2009,090,2300)
11, 39      718.300    6059.600    5.9473E+00  (2009,090,2300)
11, 40      718.300    6059.700    5.6822E+00  (2009,153,2300)
11, 41      718.300    6059.800    5.5666E+00  (2009,153,2300)
11, 42      718.300    6059.900    5.2325E+00  (2009,153,2300)
11, 43      718.300    6060.000    4.7404E+00  (2009,153,2300)
11, 44      718.300    6060.100    4.7692E+00  (2009,311,2300)
11, 45      718.300    6060.200    5.0994E+00  (2009,138,2300)
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11, 47      718.300    6060.400    5.4979E+00  (2009,138,2300)
11, 48      718.300    6060.500    5.3265E+00  (2009,138,2300)
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11, 50      718.300    6060.700    4.4072E+00  (2009,101,2300)
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12,  11      718.400    6056.800     4.2399E+00  (2009,220,2300)
12,  12      718.400    6056.900     4.3783E+00  (2009,257,2300)
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12,  14      718.400    6057.100     4.6394E+00  (2009,257,2300)
12,  15      718.400    6057.200     4.6861E+00  (2009,257,2300)
12,  16      718.400    6057.300     4.6464E+00  (2009,257,2300)
12,  17      718.400    6057.400     4.5137E+00  (2009,257,2300)
12,  18      718.400    6057.500     4.2816E+00  (2009,257,2300)
12,  19      718.400    6057.600     3.9452E+00  (2009,257,2300)
12,  20      718.400    6057.700     3.5222E+00  (2009,257,2300)
12,  21      718.400    6057.800     3.1423E+00  (2009,167,2300)
12,  22      718.400    6057.900     2.9329E+00  (2009,167,2300)
12,  23      718.400    6058.000     2.6614E+00  (2009,167,2300)
12,  24      718.400    6058.100     2.3358E+00  (2009,167,2300)
12,  25      718.400    6058.200     1.9734E+00  (2009,167,2300)
12,  26      718.400    6058.300     1.9834E+00  (2009,251,2300)
12,  27      718.400    6058.400     2.1655E+00  (2009,251,2300)
12,  28      718.400    6058.500     2.4037E+00  (2009,251,2300)
12,  29      718.400    6058.600     2.6776E+00  (2009,251,2300)
12,  30      718.400    6058.700     2.9611E+00  (2009,251,2300)
12,  31      718.400    6058.800     4.1464E+00  (2009,090,2300)
12,  32      718.400    6058.900     6.1829E+00  (2009,090,2300)
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12,  43      718.400    6060.000     5.1372E+00  (2009,311,2300)
12,  44      718.400    6060.100     5.4270E+00  (2009,138,2300)
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12,  46      718.400    6060.300     5.8638E+00  (2009,138,2300)
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12,  48      718.400    6060.500     5.2387E+00  (2009,138,2300)
12,  49      718.400    6060.600     4.7809E+00  (2009,101,2300)
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12,  51      718.400    6060.800     5.0657E+00  (2009,101,2300)
13,   1      718.500    6055.800     3.1692E+00  (2009,155,2300)
13,   2      718.500    6055.900     3.4392E+00  (2009,155,2300)
13,   3      718.500    6056.000     3.6958E+00  (2009,155,2300)
13,   4      718.500    6056.100     3.9238E+00  (2009,155,2300)
13,   5      718.500    6056.200     4.1035E+00  (2009,155,2300)
13,   6      718.500    6056.300     4.2167E+00  (2009,155,2300)
13,   7      718.500    6056.400     4.2457E+00  (2009,155,2300)
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13,   9      718.500    6056.600     4.4233E+00  (2009,220,2300)
13,  10      718.500    6056.700     4.6637E+00  (2009,220,2300)
13,  11      718.500    6056.800     4.8765E+00  (2009,220,2300)
13,  12      718.500    6056.900     5.0443E+00  (2009,220,2300)
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13, 18      718.500   6057.500    5.2681E+00  (2009,257,2300)
13, 19      718.500   6057.600    4.9532E+00  (2009,257,2300)
13, 20      718.500   6057.700    4.5031E+00  (2009,257,2300)
13, 21      718.500   6057.800    3.9395E+00  (2009,257,2300)
13, 22      718.500   6057.900    3.5906E+00  (2009,167,2300)
13, 23      718.500   6058.000    3.3260E+00  (2009,167,2300)
13, 24      718.500   6058.100    2.9807E+00  (2009,167,2300)
13, 25      718.500   6058.200    2.5739E+00  (2009,167,2300)
13, 26      718.500   6058.300    2.1944E+00  (2009,251,2300)
13, 27      718.500   6058.400    2.4052E+00  (2009,251,2300)
13, 28      718.500   6058.500    2.6843E+00  (2009,251,2300)
13, 29      718.500   6058.600    3.0055E+00  (2009,251,2300)
13, 30      718.500   6058.700    3.3216E+00  (2009,251,2300)
13, 31      718.500   6058.800    5.0049E+00  (2009,090,2300)
13, 32      718.500   6058.900    7.4329E+00  (2009,090,2300)
13, 33      718.500   6059.000    1.0352E+01  (2009,090,2300)
13, 34      718.500   6059.100    1.3328E+01  (2009,090,2300)
13, 35      718.500   6059.200    7.1071E+00  (2009,090,2300)
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13, 37      718.500   6059.400    7.5858E+00  (2009,090,2300)
13, 38      718.500   6059.500    7.0228E+00  (2009,090,2300)
13, 39      718.500   6059.600    6.5538E+00  (2009,153,2300)
13, 40      718.500   6059.700    6.3624E+00  (2009,153,2300)
13, 41      718.500   6059.800    5.8965E+00  (2009,153,2300)
13, 42      718.500   6059.900    5.5606E+00  (2009,311,2300)
13, 43      718.500   6060.000    5.7982E+00  (2009,138,2300)
13, 44      718.500   6060.100    6.1936E+00  (2009,138,2300)
13, 45      718.500   6060.200    6.2793E+00  (2009,138,2300)
13, 46      718.500   6060.300    6.0527E+00  (2009,138,2300)
13, 47      718.500   6060.400    5.5665E+00  (2009,138,2300)
13, 48      718.500   6060.500    5.2127E+00  (2009,101,2300)
13, 49      718.500   6060.600    5.3954E+00  (2009,101,2300)
13, 50      718.500   6060.700    5.4442E+00  (2009,101,2300)
13, 51      718.500   6060.800    5.3576E+00  (2009,101,2300)
14,  1      718.600   6055.800    2.8841E+00  (2009,155,2300)
14,  2      718.600   6055.900    3.1817E+00  (2009,155,2300)
14,  3      718.600   6056.000    3.4865E+00  (2009,155,2300)
14,  4      718.600   6056.100    3.7856E+00  (2009,155,2300)
14,  5      718.600   6056.200    4.0629E+00  (2009,155,2300)
14,  6      718.600   6056.300    4.3003E+00  (2009,155,2300)
14,  7      718.600   6056.400    4.4771E+00  (2009,155,2300)
14,  8      718.600   6056.500    4.5711E+00  (2009,155,2300)
14,  9      718.600   6056.600    4.6744E+00  (2009,220,2300)
14, 10      718.600   6056.700    5.0163E+00  (2009,220,2300)
14, 11      718.600   6056.800    5.3471E+00  (2009,220,2300)
14, 12      718.600   6056.900    5.6510E+00  (2009,220,2300)
14, 13      718.600   6057.000    5.8895E+00  (2009,220,2300)
14, 14      718.600   6057.100    6.0252E+00  (2009,220,2300)
14, 15      718.600   6057.200    6.0344E+00  (2009,220,2300)
14, 16      718.600   6057.300    6.2212E+00  (2009,257,2300)
14, 17      718.600   6057.400    6.3394E+00  (2009,257,2300)
14, 18      718.600   6057.500    6.3122E+00  (2009,257,2300)
14, 19      718.600   6057.600    6.1028E+00  (2009,257,2300)
14, 20      718.600   6057.700    5.6934E+00  (2009,257,2300)
14, 21      718.600   6057.800    5.0991E+00  (2009,257,2300)
14, 22      718.600   6057.900    4.3761E+00  (2009,167,2300)
14, 23      718.600   6058.000    4.1500E+00  (2009,167,2300)
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14, 25      718.600   6058.200    3.3701E+00  (2009,167,2300)
14, 26      718.600   6058.300    2.8614E+00  (2009,167,2300)
14, 27      718.600   6058.400    2.7033E+00  (2009,075,2300)
14, 28      718.600   6058.500    3.0187E+00  (2009,251,2300)
14, 29      718.600   6058.600    3.3888E+00  (2009,251,2300)
14, 30      718.600   6058.700    3.9458E+00  (2009,090,2300)
14, 31      718.600   6058.800    6.0942E+00  (2009,090,2300)
14, 32      718.600   6058.900    9.0075E+00  (2009,090,2300)
14, 33      718.600   6059.000    1.2422E+01  (2009,090,2300)
14, 34      718.600   6059.100    1.5469E+01  (2009,090,2300)
14, 35      718.600   6059.200    8.1710E+00  (2009,090,2300)
14, 36      718.600   6059.300    8.4905E+00  (2009,090,2300)
14, 37      718.600   6059.400    8.1130E+00  (2009,090,2300)
14, 38      718.600   6059.500    7.1704E+00  (2009,090,2300)
14, 39      718.600   6059.600    6.9840E+00  (2009,153,2300)
14, 40      718.600   6059.700    6.5731E+00  (2009,153,2300)
14, 41      718.600   6059.800    6.0507E+00  (2009,311,2300)
14, 42      718.600   6059.900    6.2239E+00  (2009,138,2300)
14, 43      718.600   6060.000    6.6678E+00  (2009,138,2300)
14, 44      718.600   6060.100    6.7539E+00  (2009,138,2300)
14, 45      718.600   6060.200    6.4871E+00  (2009,138,2300)
14, 46      718.600   6060.300    5.9302E+00  (2009,138,2300)
14, 47      718.600   6060.400    5.7150E+00  (2009,101,2300)
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15,  1      718.700   6055.800    2.7912E+00  (2009,168,2300)
15,  2      718.700   6055.900    2.9592E+00  (2009,168,2300)
15,  3      718.700   6056.000    3.1630E+00  (2009,155,2300)
15,  4      718.700   6056.100    3.4999E+00  (2009,155,2300)
15,  5      718.700   6056.200    3.8407E+00  (2009,155,2300)
15,  6      718.700   6056.300    4.1708E+00  (2009,155,2300)
15,  7      718.700   6056.400    4.4712E+00  (2009,155,2300)
15,  8      718.700   6056.500    4.7203E+00  (2009,155,2300)
15,  9      718.700   6056.600    4.8911E+00  (2009,155,2300)
15, 10      718.700   6056.700    5.1477E+00  (2009,220,2300)
15, 11      718.700   6056.800    5.5789E+00  (2009,220,2300)
15, 12      718.700   6056.900    6.0124E+00  (2009,220,2300)
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15, 14      718.700   6057.100    6.7501E+00  (2009,220,2300)
15, 15      718.700   6057.200    6.9800E+00  (2009,220,2300)
15, 16      718.700   6057.300    7.0632E+00  (2009,220,2300)
15, 17      718.700   6057.400    7.1340E+00  (2009,257,2300)
15, 18      718.700   6057.500    7.3292E+00  (2009,257,2300)
15, 19      718.700   6057.600    7.3239E+00  (2009,257,2300)
15, 20      718.700   6057.700    7.0741E+00  (2009,257,2300)
15, 21      718.700   6057.800    6.5657E+00  (2009,257,2300)
15, 22      718.700   6057.900    5.7999E+00  (2009,257,2300)
15, 23      718.700   6058.000    5.1704E+00  (2009,167,2300)
15, 24      718.700   6058.100    4.8678E+00  (2009,167,2300)
15, 25      718.700   6058.200    4.4137E+00  (2009,167,2300)
15, 26      718.700   6058.300    3.8502E+00  (2009,167,2300)
15, 27      718.700   6058.400    3.2176E+00  (2009,167,2300)
15, 28      718.700   6058.500    3.4217E+00  (2009,251,2300)
15, 29      718.700   6058.600    3.8498E+00  (2009,251,2300)
15, 30      718.700   6058.700    4.9052E+00  (2009,090,2300)
15, 31      718.700   6058.800    7.5248E+00  (2009,090,2300)
15, 32      718.700   6058.900    1.1014E+01  (2009,090,2300)
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15, 37      718.700    6059.400    8.5114E+00  (2009,090,2300)
15, 38      718.700    6059.500    7.6416E+00  (2009,153,2300)
15, 39      718.700    6059.600    7.3191E+00  (2009,153,2300)
15, 40      718.700    6059.700    6.6512E+00  (2009,153,2300)
15, 41      718.700    6059.800    6.7129E+00  (2009,138,2300)
15, 42      718.700    6059.900    7.2076E+00  (2009,138,2300)
15, 43      718.700    6060.000    7.2961E+00  (2009,138,2300)
15, 44      718.700    6060.100    6.9812E+00  (2009,138,2300)
15, 45      718.700    6060.200    6.3372E+00  (2009,138,2300)
15, 46      718.700    6060.300    6.2984E+00  (2009,101,2300)
15, 47      718.700    6060.400    6.4000E+00  (2009,101,2300)
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15, 51      718.700    6060.800    5.1926E+00  (2009,101,2300)
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16,  2      718.800    6055.900    2.9401E+00  (2009,168,2300)
16,  3      718.800    6056.000    3.1134E+00  (2009,168,2300)
16,  4      718.800    6056.100    3.3007E+00  (2009,168,2300)
16,  5      718.800    6056.200    3.5904E+00  (2009,118,2300)
16,  6      718.800    6056.300    3.9355E+00  (2009,118,2300)
16,  7      718.800    6056.400    4.2925E+00  (2009,118,2300)
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16,  9      718.800    6056.600    5.0361E+00  (2009,118,2300)
16, 10      718.800    6056.700    5.4140E+00  (2009,118,2300)
16, 11      718.800    6056.800    5.7883E+00  (2009,118,2300)
16, 12      718.800    6056.900    6.1558E+00  (2009,118,2300)
16, 13      718.800    6057.000    6.6272E+00  (2009,220,2300)
16, 14      718.800    6057.100    7.1671E+00  (2009,220,2300)
16, 15      718.800    6057.200    7.6548E+00  (2009,220,2300)
16, 16      718.800    6057.300    8.0357E+00  (2009,220,2300)
16, 17      718.800    6057.400    8.2393E+00  (2009,220,2300)
16, 18      718.800    6057.500    8.2055E+00  (2009,257,2300)
16, 19      718.800    6057.600    8.5140E+00  (2009,257,2300)
16, 20      718.800    6057.700    8.5745E+00  (2009,257,2300)
16, 21      718.800    6057.800    8.3184E+00  (2009,257,2300)
16, 22      718.800    6057.900    7.6774E+00  (2009,257,2300)
16, 23      718.800    6058.000    6.6631E+00  (2009,257,2300)
16, 24      718.800    6058.100    6.2254E+00  (2009,167,2300)
16, 25      718.800    6058.200    5.7893E+00  (2009,167,2300)
16, 26      718.800    6058.300    5.1700E+00  (2009,167,2300)
16, 27      718.800    6058.400    4.4336E+00  (2009,167,2300)
16, 28      718.800    6058.500    3.9217E+00  (2009,251,2300)
16, 29      718.800    6058.600    4.4021E+00  (2009,251,2300)
16, 30      718.800    6058.700    6.2448E+00  (2009,090,2300)
16, 31      718.800    6058.800    9.4318E+00  (2009,090,2300)
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16, 33      718.800    6059.000    1.7286E+01  (2009,090,2300)
16, 34      718.800    6059.100    1.6423E+01  (2009,090,2300)
16, 35      718.800    6059.200    1.0647E+01  (2009,090,2300)
16, 36      718.800    6059.300    1.0123E+01  (2009,090,2300)
16, 37      718.800    6059.400    8.6968E+00  (2009,090,2300)
16, 38      718.800    6059.500    8.1297E+00  (2009,153,2300)
16, 39      718.800    6059.600    7.5008E+00  (2009,153,2300)
16, 40      718.800    6059.700    7.2806E+00  (2009,138,2300)
16, 41      718.800    6059.800    7.8331E+00  (2009,138,2300)
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16,  43    718.800    6060.000    7.5373E+00  (2009,138,2300)
16,  44    718.800    6060.100    6.7934E+00  (2009,138,2300)
16,  45    718.800    6060.200    6.9721E+00  (2009,101,2300)
16,  46    718.800    6060.300    7.0024E+00  (2009,101,2300)
16,  47    718.800    6060.400    6.8234E+00  (2009,101,2300)
16,  48    718.800    6060.500    6.4591E+00  (2009,101,2300)
16,  49    718.800    6060.600    5.9499E+00  (2009,101,2300)
16,  50    718.800    6060.700    5.4866E+00  (2009,313,2300)
16,  51    718.800    6060.800    5.2286E+00  (2009,313,2300)
17,   1    718.900    6055.800    2.7737E+00  (2009,168,2300)
17,   2    718.900    6055.900    2.9246E+00  (2009,168,2300)
17,   3    718.900    6056.000    3.0874E+00  (2009,168,2300)
17,   4    718.900    6056.100    3.3739E+00  (2009,118,2300)
17,   5    718.900    6056.200    3.7192E+00  (2009,118,2300)
17,   6    718.900    6056.300    4.0794E+00  (2009,118,2300)
17,   7    718.900    6056.400    4.4587E+00  (2009,118,2300)
17,   8    718.900    6056.500    4.8513E+00  (2009,118,2300)
17,   9    718.900    6056.600    5.2527E+00  (2009,118,2300)
17,  10    718.900    6056.700    5.6637E+00  (2009,118,2300)
17,  11    718.900    6056.800    6.0865E+00  (2009,118,2300)
17,  12    718.900    6056.900    6.5204E+00  (2009,118,2300)
17,  13    718.900    6057.000    6.9686E+00  (2009,118,2300)
17,  14    718.900    6057.100    7.3928E+00  (2009,118,2300)
17,  15    718.900    6057.200    7.9469E+00  (2009,220,2300)
17,  16    718.900    6057.300    8.6565E+00  (2009,220,2300)
17,  17    718.900    6057.400    9.0948E+00  (2009,220,2300)
17,  18    718.900    6057.500    9.5345E+00  (2009,220,2300)
17,  19    718.900    6057.600    9.6590E+00  (2009,220,2300)
17,  20    718.900    6057.700    1.0050E+01  (2009,257,2300)
17,  21    718.900    6057.800    1.0249E+01  (2009,257,2300)
17,  22    718.900    6057.900    1.0007E+01  (2009,257,2300)
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17,  28    718.900    6058.500    5.1058E+00  (2009,167,2300)
17,  29    718.900    6058.600    5.6828E+00  (2009,090,2300)
17,  30    718.900    6058.700    8.1502E+00  (2009,090,2300)
17,  31    718.900    6058.800    1.2058E+01  (2009,090,2300)
17,  32    718.900    6058.900    1.7084E+01  (2009,090,2300)
17,  33    718.900    6059.000    1.5179E+01  (2009,090,2300)
17,  34    718.900    6059.100    1.4739E+01  (2009,090,2300)
17,  35    718.900    6059.200    1.1960E+01  (2009,090,2300)
17,  36    718.900    6059.300    1.0701E+01  (2009,090,2300)
17,  37    718.900    6059.400    9.0213E+00  (2009,153,2300)
17,  38    718.900    6059.500    8.4646E+00  (2009,153,2300)
17,  39    718.900    6059.600    7.9556E+00  (2009,311,2300)
17,  40    718.900    6059.700    8.5624E+00  (2009,138,2300)
17,  41    718.900    6059.800    8.6333E+00  (2009,138,2300)
17,  42    718.900    6059.900    8.1755E+00  (2009,138,2300)
17,  43    718.900    6060.000    7.5639E+00  (2009,101,2300)
17,  44    718.900    6060.100    7.7469E+00  (2009,101,2300)
17,  45    718.900    6060.200    7.6699E+00  (2009,101,2300)
17,  46    718.900    6060.300    7.3500E+00  (2009,101,2300)
17,  47    718.900    6060.400    6.8356E+00  (2009,101,2300)
17,  48    718.900    6060.500    6.1777E+00  (2009,101,2300)
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17,  50    718.900    6060.700    5.7713E+00  (2009,127,2300)
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18,  3      719.000   6056.000    3.1355E+00 (2009,118,2300)
18,  4      719.000   6056.100    3.4714E+00 (2009,118,2300)
18,  5      719.000   6056.200    3.8306E+00 (2009,118,2300)
18,  6      719.000   6056.300    4.2089E+00 (2009,118,2300)
18,  7      719.000   6056.400    4.6091E+00 (2009,118,2300)
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18,  9      719.000   6056.600    5.4466E+00 (2009,118,2300)
18, 10      719.000   6056.700    5.8887E+00 (2009,118,2300)
18, 11      719.000   6056.800    6.3499E+00 (2009,118,2300)
18, 12      719.000   6056.900    6.8433E+00 (2009,118,2300)
18, 13      719.000   6057.000    7.3737E+00 (2009,118,2300)
18, 14      719.000   6057.100    7.9090E+00 (2009,118,2300)
18, 15      719.000   6057.200    8.4223E+00 (2009,118,2300)
18, 16      719.000   6057.300    8.8762E+00 (2009,118,2300)
18, 17      719.000   6057.400    9.8901E+00 (2009,220,2300)
18, 18      719.000   6057.500    1.0863E+01 (2009,220,2300)
18, 19      719.000   6057.600    1.1488E+01 (2009,220,2300)
18, 20      719.000   6057.700    1.1935E+01 (2009,220,2300)
18, 21      719.000   6057.800    1.2175E+01 (2009,257,2300)
18, 22      719.000   6057.900    1.2651E+01 (2009,257,2300)
18, 23      719.000   6058.000    1.2497E+01 (2009,257,2300)
18, 24      719.000   6058.100    1.1394E+01 (2009,257,2300)
18, 25      719.000   6058.200    9.9871E+00 (2009,167,2300)
18, 26      719.000   6058.300    9.3463E+00 (2009,167,2300)
18, 27      719.000   6058.400    8.3302E+00 (2009,167,2300)
18, 28      719.000   6058.500    7.1590E+00 (2009,167,2300)
18, 29      719.000   6058.600    8.0847E+00 (2009,090,2300)
18, 30      719.000   6058.700    1.1045E+01 (2009,090,2300)
18, 31      719.000   6058.800    1.5769E+01 (2009,090,2300)
18, 32      719.000   6058.900    2.1670E+01 (2009,090,2300)
18, 33      719.000   6059.000    1.6707E+01 (2009,090,2300)
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18, 35      719.000   6059.200    1.3179E+01 (2009,090,2300)
18, 36      719.000   6059.300    1.0924E+01 (2009,090,2300)
18, 37      719.000   6059.400    9.5417E+00 (2009,153,2300)
18, 38      719.000   6059.500    8.9562E+00 (2009,311,2300)
18, 39      719.000   6059.600    9.4278E+00 (2009,138,2300)
18, 40      719.000   6059.700    9.4730E+00 (2009,138,2300)
18, 41      719.000   6059.800    8.9048E+00 (2009,138,2300)
18, 42      719.000   6059.900    8.5532E+00 (2009,101,2300)
18, 43      719.000   6060.000    8.6332E+00 (2009,101,2300)
18, 44      719.000   6060.100    8.3910E+00 (2009,101,2300)
18, 45      719.000   6060.200    7.8865E+00 (2009,101,2300)
18, 46      719.000   6060.300    7.1768E+00 (2009,101,2300)
18, 47      719.000   6060.400    6.5423E+00 (2009,313,2300)
18, 48      719.000   6060.500    6.4239E+00 (2009,127,2300)
18, 49      719.000   6060.600    6.5670E+00 (2009,127,2300)
18, 50      719.000   6060.700    6.5490E+00 (2009,127,2300)
18, 51      719.000   6060.800    6.3604E+00 (2009,127,2300)
19,  1      719.100   6055.800    2.6895E+00 (2009,168,2300)
19,  2      719.100   6055.900    2.8960E+00 (2009,118,2300)
19,  3      719.100   6056.000    3.2138E+00 (2009,118,2300)
19,  4      719.100   6056.100    3.5602E+00 (2009,118,2300)
19,  5      719.100   6056.200    3.9328E+00 (2009,118,2300)
19,  6      719.100   6056.300    4.3301E+00 (2009,118,2300)
19,  7      719.100   6056.400    4.7506E+00 (2009,118,2300)
19,  8      719.100   6056.500    5.1836E+00 (2009,118,2300)
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19,  9        719.100    6056.600      5.6344E+00  (2009,118,2300)
19, 10        719.100    6056.700      6.1070E+00  (2009,118,2300)
19, 11        719.100    6056.800      6.6048E+00  (2009,118,2300)
19, 12        719.100    6056.900      7.1480E+00  (2009,118,2300)
19, 13        719.100    6057.000      7.7396E+00  (2009,118,2300)
19, 14        719.100    6057.100      8.3718E+00  (2009,118,2300)
19, 15        719.100    6057.200      9.0390E+00  (2009,118,2300)
19, 16        719.100    6057.300      9.7152E+00  (2009,118,2300)
19, 17        719.100    6057.400      1.0332E+01  (2009,118,2300)
19, 18        719.100    6057.500      1.1498E+01  (2009,220,2300)
19, 19        719.100    6057.600      1.2902E+01  (2009,220,2300)
19, 20        719.100    6057.700      1.4023E+01  (2009,220,2300)
19, 21        719.100    6057.800      1.4591E+01  (2009,220,2300)
19, 22        719.100    6057.900      1.5354E+01  (2009,257,2300)
19, 23        719.100    6058.000      1.6404E+01  (2009,257,2300)
19, 24        719.100    6058.100      1.6328E+01  (2009,257,2300)
19, 25        719.100    6058.200      1.4577E+01  (2009,257,2300)
19, 26        719.100    6058.300      1.2580E+01  (2009,167,2300)
19, 27        719.100    6058.400      1.1345E+01  (2009,167,2300)
19, 28        719.100    6058.500      1.0360E+01  (2009,090,2300)
19, 29        719.100    6058.600      1.1961E+01  (2009,090,2300)
19, 30        719.100    6058.700      1.5434E+01  (2009,090,2300)
19, 31        719.100    6058.800      2.1024E+01  (2009,090,2300)
19, 32        719.100    6058.900      2.7655E+01  (2009,090,2300)
19, 33        719.100    6059.000      1.7818E+01  (2009,090,2300)
19, 34        719.100    6059.100      1.7141E+01  (2009,090,2300)
19, 35        719.100    6059.200      1.3978E+01  (2009,090,2300)
19, 36        719.100    6059.300      1.0752E+01  (2009,153,2300)
19, 37        719.100    6059.400      1.0237E+01  (2009,311,2300)
19, 38        719.100    6059.500      1.0459E+01  (2009,138,2300)
19, 39        719.100    6059.600      1.0447E+01  (2009,138,2300)
19, 40        719.100    6059.700      9.7383E+00  (2009,138,2300)
19, 41        719.100    6059.800      9.7260E+00  (2009,101,2300)
19, 42        719.100    6059.900      9.6234E+00  (2009,101,2300)
19, 43        719.100    6060.000      9.1505E+00  (2009,101,2300)
19, 44        719.100    6060.100      8.3910E+00  (2009,101,2300)
19, 45        719.100    6060.200      7.4435E+00  (2009,101,2300)
19, 46        719.100    6060.300      7.2110E+00  (2009,127,2300)
19, 47        719.100    6060.400      7.3654E+00  (2009,127,2300)
19, 48        719.100    6060.500      7.3283E+00  (2009,127,2300)
19, 49        719.100    6060.600      7.0955E+00  (2009,127,2300)
19, 50        719.100    6060.700      6.6724E+00  (2009,127,2300)
19, 51        719.100    6060.800      6.2996E+00  (2009,130,2300)
20,  1        719.200    6055.800      2.6641E+00  (2009,118,2300)
20,  2        719.200    6055.900      2.9595E+00  (2009,118,2300)
20,  3        719.200    6056.000      3.2859E+00  (2009,118,2300)
20,  4        719.200    6056.100      3.6431E+00  (2009,118,2300)
20,  5        719.200    6056.200      4.0294E+00  (2009,118,2300)
20,  6        719.200    6056.300      4.4472E+00  (2009,118,2300)
20,  7        719.200    6056.400      4.8901E+00  (2009,118,2300)
20,  8        719.200    6056.500      5.3511E+00  (2009,118,2300)
20,  9        719.200    6056.600      5.8327E+00  (2009,118,2300)
20, 10        719.200    6056.700      6.3411E+00  (2009,118,2300)
20, 11        719.200    6056.800      6.8811E+00  (2009,118,2300)
20, 12        719.200    6056.900      7.4690E+00  (2009,118,2300)
20, 13        719.200    6057.000      8.1125E+00  (2009,118,2300)
20, 14        719.200    6057.100      8.8239E+00  (2009,118,2300)
20, 15        719.200    6057.200      9.6259E+00  (2009,118,2300)
20, 16        719.200    6057.300      1.0513E+01  (2009,118,2300)
20, 17        719.200    6057.400      1.1436E+01  (2009,118,2300)
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20, 18        719.200    6057.500      1.2283E+01  (2009,118,2300)
20, 19        719.200    6057.600      1.3655E+01  (2009,220,2300)
20, 20        719.200    6057.700      1.5958E+01  (2009,220,2300)
20, 21        719.200    6057.800      1.7317E+01  (2009,220,2300)
20, 22        719.200    6057.900      1.9515E+01  (2009,220,2300)
20, 23        719.200    6058.000      2.0785E+01  (2009,220,2300)
20, 24        719.200    6058.100      2.2642E+01  (2009,257,2300)
20, 25        719.200    6058.200      2.2285E+01  (2009,257,2300)
20, 26        719.200    6058.300      1.8786E+01  (2009,257,2300)
20, 27        719.200    6058.400      1.5760E+01  (2009,090,2300)
20, 28        719.200    6058.500      1.6463E+01  (2009,090,2300)
20, 29        719.200    6058.600      1.8112E+01  (2009,090,2300)
20, 30        719.200    6058.700      2.2066E+01  (2009,090,2300)
20, 31        719.200    6058.800      2.8414E+01  (2009,090,2300)
20, 32        719.200    6058.900      3.4499E+01  (2009,090,2300)
20, 33        719.200    6059.000      2.0310E+01  (2009,090,2300)
20, 34        719.200    6059.100      1.8490E+01  (2009,090,2300)
20, 35        719.200    6059.200      1.4115E+01  (2009,090,2300)
20, 36        719.200    6059.300      1.1936E+01  (2009,311,2300)
20, 37        719.200    6059.400      1.1717E+01  (2009,138,2300)
20, 38        719.200    6059.500      1.1572E+01  (2009,138,2300)
20, 39        719.200    6059.600      1.0924E+01  (2009,101,2300)
20, 40        719.200    6059.700      1.1093E+01  (2009,101,2300)
20, 41        719.200    6059.800      1.0705E+01  (2009,101,2300)
20, 42        719.200    6059.900      9.9037E+00  (2009,101,2300)
20, 43        719.200    6060.000      8.8050E+00  (2009,101,2300)
20, 44        719.200    6060.100      8.2085E+00  (2009,127,2300)
20, 45        719.200    6060.200      8.3405E+00  (2009,127,2300)
20, 46        719.200    6060.300      8.2467E+00  (2009,127,2300)
20, 47        719.200    6060.400      7.9438E+00  (2009,127,2300)
20, 48        719.200    6060.500      7.4090E+00  (2009,127,2300)
20, 49        719.200    6060.600      7.0979E+00  (2009,130,2300)
20, 50        719.200    6060.700      6.7859E+00  (2009,128,2300)
20, 51        719.200    6060.800      6.5695E+00  (2009,128,2300)
21,  1        719.300    6055.800      2.7168E+00  (2009,118,2300)
21,  2        719.300    6055.900      3.0178E+00  (2009,118,2300)
21,  3        719.300    6056.000      3.3546E+00  (2009,118,2300)
21,  4        719.300    6056.100      3.7245E+00  (2009,118,2300)
21,  5        719.300    6056.200      4.1279E+00  (2009,118,2300)
21,  6        719.300    6056.300      4.5655E+00  (2009,118,2300)
21,  7        719.300    6056.400      5.0352E+00  (2009,118,2300)
21,  8        719.300    6056.500      5.5309E+00  (2009,118,2300)
21,  9        719.300    6056.600      6.0533E+00  (2009,118,2300)
21, 10        719.300    6056.700      6.6054E+00  (2009,118,2300)
21, 11        719.300    6056.800      7.1943E+00  (2009,118,2300)
21, 12        719.300    6056.900      7.8291E+00  (2009,118,2300)
21, 13        719.300    6057.000      8.5262E+00  (2009,118,2300)
21, 14        719.300    6057.100      9.3090E+00  (2009,118,2300)
21, 15        719.300    6057.200      1.0216E+01  (2009,118,2300)
21, 16        719.300    6057.300      1.1273E+01  (2009,118,2300)
21, 17        719.300    6057.400      1.2484E+01  (2009,118,2300)
21, 18        719.300    6057.500      1.3763E+01  (2009,118,2300)
21, 19        719.300    6057.600      1.4961E+01  (2009,118,2300)
21, 20        719.300    6057.700      1.6607E+01  (2009,220,2300)
21, 21        719.300    6057.800      1.8899E+01  (2009,220,2300)
21, 22        719.300    6057.900      2.1635E+01  (2009,220,2300)
21, 23        719.300    6058.000      2.3650E+01  (2009,220,2300)
21, 24        719.300    6058.100      2.9230E+01  (2009,220,2300)
21, 25        719.300    6058.200      3.2081E+01  (2009,257,2300)
21, 26        719.300    6058.300      2.9568E+01  (2009,257,2300)
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21, 27      719.300   6058.400    2.5001E+01 (2009,090,2300)
21, 28      719.300   6058.500    2.5870E+01 (2009,090,2300)
21, 29      719.300   6058.600    2.7445E+01 (2009,090,2300)
21, 30      719.300   6058.700    3.1715E+01 (2009,090,2300)
21, 31      719.300   6058.800    3.6197E+01 (2009,090,2300)
21, 32      719.300   6058.900    3.6147E+01 (2009,090,2300)
21, 33      719.300   6059.000    2.1991E+01 (2009,090,2300)
21, 34      719.300   6059.100    1.8621E+01 (2009,090,2300)
21, 35      719.300   6059.200    1.4266E+01 (2009,311,2300)
21, 36      719.300   6059.300    1.3346E+01 (2009,138,2300)
21, 37      719.300   6059.400    1.2857E+01 (2009,138,2300)
21, 38      719.300   6059.500    1.2764E+01 (2009,101,2300)
21, 39      719.300   6059.600    1.2618E+01 (2009,101,2300)
21, 40      719.300   6059.700    1.1832E+01 (2009,101,2300)
21, 41      719.300   6059.800    1.0542E+01 (2009,101,2300)
21, 42      719.300   6059.900    9.5683E+00 (2009,127,2300)
21, 43      719.300   6060.000    9.5913E+00 (2009,127,2300)
21, 44      719.300   6060.100    9.3721E+00 (2009,127,2300)
21, 45      719.300   6060.200    8.9390E+00 (2009,127,2300)
21, 46      719.300   6060.300    8.4684E+00 (2009,130,2300)
21, 47      719.300   6060.400    8.0755E+00 (2009,130,2300)
21, 48      719.300   6060.500    7.7156E+00 (2009,128,2300)
21, 49      719.300   6060.600    7.3486E+00 (2009,128,2300)
21, 50      719.300   6060.700    7.0421E+00 (2009,147,2300)
21, 51      719.300   6060.800    6.7252E+00 (2009,147,2300)
22,  1      719.400   6055.800    2.7666E+00 (2009,118,2300)
22,  2      719.400   6055.900    3.0762E+00 (2009,118,2300)
22,  3      719.400   6056.000    3.4230E+00 (2009,118,2300)
22,  4      719.400   6056.100    3.8080E+00 (2009,118,2300)
22,  5      719.400   6056.200    4.2315E+00 (2009,118,2300)
22,  6      719.400   6056.300    4.6923E+00 (2009,118,2300)
22,  7      719.400   6056.400    5.1926E+00 (2009,118,2300)
22,  8      719.400   6056.500    5.7319E+00 (2009,118,2300)
22,  9      719.400   6056.600    6.3020E+00 (2009,118,2300)
22, 10      719.400   6056.700    6.9085E+00 (2009,118,2300)
22, 11      719.400   6056.800    7.5545E+00 (2009,118,2300)
22, 12      719.400   6056.900    8.2493E+00 (2009,118,2300)
22, 13      719.400   6057.000    9.0065E+00 (2009,118,2300)
22, 14      719.400   6057.100    9.8504E+00 (2009,118,2300)
22, 15      719.400   6057.200    1.0843E+01 (2009,118,2300)
22, 16      719.400   6057.300    1.2038E+01 (2009,118,2300)
22, 17      719.400   6057.400    1.3476E+01 (2009,118,2300)
22, 18      719.400   6057.500    1.5153E+01 (2009,118,2300)
22, 19      719.400   6057.600    1.7012E+01 (2009,118,2300)
22, 20      719.400   6057.700    1.8805E+01 (2009,118,2300)
22, 21      719.400   6057.800    2.0593E+01 (2009,220,2300)
22, 22      719.400   6057.900    2.6075E+01 (2009,220,2300)
22, 23      719.400   6058.000    3.0125E+01 (2009,220,2300)
22, 24      719.400   6058.100    3.7500E+01 (2009,220,2300)
22, 25      719.400   6058.200    4.1090E+01 (2009,220,2300)
22, 26      719.400   6058.300    4.1961E+01 (2009,257,2300)
22, 27      719.400   6058.400    3.7731E+01 (2009,090,2300)
22, 28      719.400   6058.500    3.8757E+01 (2009,090,2300)
22, 29      719.400   6058.600    4.0325E+01 (2009,090,2300)
22, 30      719.400   6058.700    4.2132E+01 (2009,090,2300)
22, 31      719.400   6058.800    4.0122E+01 (2009,090,2300)
22, 32      719.400   6058.900    3.6899E+01 (2009,090,2300)
22, 33      719.400   6059.000    2.4245E+01 (2009,090,2300)
22, 34      719.400   6059.100    1.8262E+01 (2009,090,2300)
22, 35      719.400   6059.200    1.5591E+01 (2009,138,2300)
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22,  36     719.400   6059.300     1.4691E+01  (2009,101,2300)
22,  37     719.400   6059.400     1.4854E+01  (2009,101,2300)
22,  38     719.400   6059.500     1.4267E+01  (2009,101,2300)
22,  39     719.400   6059.600     1.2822E+01  (2009,101,2300)
22,  40     719.400   6059.700     1.1619E+01  (2009,127,2300)
22,  41     719.400   6059.800     1.1289E+01  (2009,127,2300)
22,  42     719.400   6059.900     1.0777E+01  (2009,127,2300)
22,  43     719.400   6060.000     1.0323E+01  (2009,130,2300)
22,  44     719.400   6060.100     9.8871E+00  (2009,130,2300)
22,  45     719.400   6060.200     9.2879E+00  (2009,130,2300)
22,  46     719.400   6060.300     8.7727E+00  (2009,128,2300)
22,  47     719.400   6060.400     8.3895E+00  (2009,147,2300)
22,  48     719.400   6060.500     7.9861E+00  (2009,147,2300)
22,  49     719.400   6060.600     7.4222E+00  (2009,147,2300)
22,  50     719.400   6060.700     6.7915E+00  (2009,147,2300)
22,  51     719.400   6060.800     6.0943E+00  (2009,147,2300)
23,   1     719.500   6055.800     2.8156E+00  (2009,118,2300)
23,   2     719.500   6055.900     3.1351E+00  (2009,118,2300)
23,   3     719.500   6056.000     3.4932E+00  (2009,118,2300)
23,   4     719.500   6056.100     3.8950E+00  (2009,118,2300)
23,   5     719.500   6056.200     4.3427E+00  (2009,118,2300)
23,   6     719.500   6056.300     4.8321E+00  (2009,118,2300)
23,   7     719.500   6056.400     5.3690E+00  (2009,118,2300)
23,   8     719.500   6056.500     5.9531E+00  (2009,118,2300)
23,   9     719.500   6056.600     6.5767E+00  (2009,118,2300)
23,  10     719.500   6056.700     7.2448E+00  (2009,118,2300)
23,  11     719.500   6056.800     7.9567E+00  (2009,118,2300)
23,  12     719.500   6056.900     8.7242E+00  (2009,118,2300)
23,  13     719.500   6057.000     9.5521E+00  (2009,118,2300)
23,  14     719.500   6057.100     1.0461E+01  (2009,118,2300)
23,  15     719.500   6057.200     1.1520E+01  (2009,118,2300)
23,  16     719.500   6057.300     1.2796E+01  (2009,118,2300)
23,  17     719.500   6057.400     1.4402E+01  (2009,118,2300)
23,  18     719.500   6057.500     1.6424E+01  (2009,118,2300)
23,  19     719.500   6057.600     1.8936E+01  (2009,118,2300)
23,  20     719.500   6057.700     2.1888E+01  (2009,118,2300)
23,  21     719.500   6057.800     2.4891E+01  (2009,118,2300)
23,  22     719.500   6057.900     2.6885E+01  (2009,118,2300)
23,  23     719.500   6058.000     3.3975E+01  (2009,220,2300)
23,  24     719.500   6058.100     4.0854E+01  (2009,220,2300)
23,  25     719.500   6058.200     4.1819E+01  (2009,220,2300)
23,  26     719.500   6058.300     4.3541E+01  (2009,220,2300)
23,  27     719.500   6058.400     4.1234E+01  (2009,220,2300)
23,  28     719.500   6058.500     3.8987E+01  (2009,090,2300)
23,  29     719.500   6058.600     4.7865E+01  (2009,090,2300)
23,  30     719.500   6058.700     4.2059E+01  (2009,090,2300)
23,  31     719.500   6058.800     2.7572E+01  (2009,090,2300)
23,  32     719.500   6058.900     2.7874E+01  (2009,090,2300)
23,  33     719.500   6059.000     2.3905E+01  (2009,090,2300)
23,  34     719.500   6059.100     1.9283E+01  (2009,138,2300)
23,  35     719.500   6059.200     1.7652E+01  (2009,101,2300)
23,  36     719.500   6059.300     1.7084E+01  (2009,101,2300)
23,  37     719.500   6059.400     1.5705E+01  (2009,101,2300)
23,  38     719.500   6059.500     1.5077E+01  (2009,127,2300)
23,  39     719.500   6059.600     1.3900E+01  (2009,127,2300)
23,  40     719.500   6059.700     1.2958E+01  (2009,130,2300)
23,  41     719.500   6059.800     1.2499E+01  (2009,130,2300)
23,  42     719.500   6059.900     1.1736E+01  (2009,130,2300)
23,  43     719.500   6060.000     1.0789E+01  (2009,130,2300)
23,  44     719.500   6060.100     1.0238E+01  (2009,147,2300)
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23,  45       719.500    6060.200    9.6001E+00  (2009,147,2300)
23,  46       719.500    6060.300    8.8496E+00  (2009,147,2300)
23,  47       719.500    6060.400    7.9332E+00  (2009,147,2300)
23,  48       719.500    6060.500    7.2050E+00  (2009,124,2300)
23,  49       719.500    6060.600    6.7214E+00  (2009,124,2300)
23,  50       719.500    6060.700    6.2524E+00  (2009,124,2300)
23,  51       719.500    6060.800    5.7966E+00  (2009,124,2300)
24,   1       719.600    6055.800    2.8639E+00  (2009,118,2300)
24,   2       719.600    6055.900    3.1938E+00  (2009,118,2300)
24,   3       719.600    6056.000    3.5646E+00  (2009,118,2300)
24,   4       719.600    6056.100    3.9842E+00  (2009,118,2300)
24,   5       719.600    6056.200    4.4588E+00  (2009,118,2300)
24,   6       719.600    6056.300    4.9835E+00  (2009,118,2300)
24,   7       719.600    6056.400    5.5612E+00  (2009,118,2300)
24,   8       719.600    6056.500    6.1939E+00  (2009,118,2300)
24,   9       719.600    6056.600    6.8728E+00  (2009,118,2300)
24,  10       719.600    6056.700    7.6068E+00  (2009,118,2300)
24,  11       719.600    6056.800    8.3958E+00  (2009,118,2300)
24,  12       719.600    6056.900    9.2367E+00  (2009,118,2300)
24,  13       719.600    6057.000    1.0141E+01  (2009,118,2300)
24,  14       719.600    6057.100    1.1124E+01  (2009,118,2300)
24,  15       719.600    6057.200    1.2239E+01  (2009,118,2300)
24,  16       719.600    6057.300    1.3589E+01  (2009,118,2300)
24,  17       719.600    6057.400    1.5303E+01  (2009,118,2300)
24,  18       719.600    6057.500    1.7587E+01  (2009,118,2300)
24,  19       719.600    6057.600    2.0671E+01  (2009,118,2300)
24,  20       719.600    6057.700    2.4903E+01  (2009,118,2300)
24,  21       719.600    6057.800    3.0183E+01  (2009,118,2300)
24,  22       719.600    6057.900    3.5704E+01  (2009,118,2300)
24,  23       719.600    6058.000    3.9160E+01  (2009,118,2300)
24,  24       719.600    6058.100    5.2393E+01  (2009,220,2300)
24,  25       719.600    6058.200    5.5296E+01  (2009,220,2300)
24,  26       719.600    6058.300    5.4710E+01  (2009,220,2300)
24,  27       719.600    6058.400    5.1917E+01  (2009,220,2300)
24,  28       719.600    6058.500    4.8927E+01  (2009,220,2300)
24,  29       719.600    6058.600    5.1150E+01  (2009,090,2300)
24,  30       719.600    6058.700    4.3314E+01  (2009,090,2300)
24,  31       719.600    6058.800    2.8053E+01  (2009,153,2300)
24,  32       719.600    6058.900    2.6258E+01  (2009,348,2300)
24,  33       719.600    6059.000    2.4252E+01  (2009,101,2300)
24,  34       719.600    6059.100    2.1233E+01  (2009,101,2300)
24,  35       719.600    6059.200    1.8873E+01  (2009,315,2300)
24,  36       719.600    6059.300    1.8608E+01  (2009,127,2300)
24,  37       719.600    6059.400    1.8478E+01  (2009,127,2300)
24,  38       719.600    6059.500    1.6428E+01  (2009,130,2300)
24,  39       719.600    6059.600    1.5417E+01  (2009,130,2300)
24,  40       719.600    6059.700    1.4080E+01  (2009,130,2300)
24,  41       719.600    6059.800    1.2822E+01  (2009,147,2300)
24,  42       719.600    6059.900    1.1870E+01  (2009,147,2300)
24,  43       719.600    6060.000    1.0597E+01  (2009,147,2300)
24,  44       719.600    6060.100    9.6118E+00  (2009,124,2300)
24,  45       719.600    6060.200    8.8437E+00  (2009,124,2300)
24,  46       719.600    6060.300    8.1211E+00  (2009,124,2300)
24,  47       719.600    6060.400    7.4447E+00  (2009,124,2300)
24,  48       719.600    6060.500    6.8166E+00  (2009,124,2300)
24,  49       719.600    6060.600    6.2330E+00  (2009,124,2300)
24,  50       719.600    6060.700    5.6941E+00  (2009,124,2300)
24,  51       719.600    6060.800    5.4250E+00  (2009,069,2300)
25,   1       719.700    6055.800    2.9062E+00  (2009,118,2300)
25,   2       719.700    6055.900    3.2485E+00  (2009,118,2300)
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25,   3      719.700   6056.000   3.6346E+00 (2009,118,2300)
25,   4      719.700   6056.100   4.0710E+00 (2009,118,2300)
25,   5      719.700   6056.200   4.5701E+00 (2009,118,2300)
25,   6      719.700   6056.300   5.1325E+00 (2009,118,2300)
25,   7      719.700   6056.400   5.7526E+00 (2009,118,2300)
25,   8      719.700   6056.500   6.4331E+00 (2009,118,2300)
25,   9      719.700   6056.600   7.1735E+00 (2009,118,2300)
25,  10      719.700   6056.700   7.9747E+00 (2009,118,2300)
25,  11      719.700   6056.800   8.8328E+00 (2009,118,2300)
25,  12      719.700   6056.900   9.7541E+00 (2009,118,2300)
25,  13      719.700   6057.000   1.0740E+01 (2009,118,2300)
25,  14      719.700   6057.100   1.1811E+01 (2009,118,2300)
25,  15      719.700   6057.200   1.3013E+01 (2009,118,2300)
25,  16      719.700   6057.300   1.4439E+01 (2009,118,2300)
25,  17      719.700   6057.400   1.6250E+01 (2009,118,2300)
25,  18      719.700   6057.500   1.8740E+01 (2009,118,2300)
25,  19      719.700   6057.600   2.2272E+01 (2009,118,2300)
25,  20      719.700   6057.700   2.7701E+01 (2009,118,2300)
25,  21      719.700   6057.800   3.5691E+01 (2009,118,2300)
25,  22      719.700   6057.900   4.8295E+01 (2009,118,2300)
25,  23      719.700   6058.000   6.3787E+01 (2009,118,2300)
25,  24      719.700   6058.100   6.9930E+01 (2009,118,2300)
25,  25      719.700   6058.200   7.2572E+01 (2009,220,2300)
25,  26      719.700   6058.300   6.1849E+01 (2009,220,2300)
25,  27      719.700   6058.400   5.0820E+01 (2009,220,2300)
25,  28      719.700   6058.500   5.0906E+01 (2009,220,2300)
25,  29      719.700   6058.600   4.5287E+01 (2009,153,2300)
25,  30      719.700   6058.700   4.0244E+01 (2009,153,2300)
25,  31      719.700   6058.800   3.1317E+01 (2009,153,2300)
25,  32      719.700   6058.900   2.9354E+01 (2009,316,2300)
25,  33      719.700   6059.000   2.6710E+01 (2009,082,2300)
25,  34      719.700   6059.100   2.5979E+01 (2009,130,2300)
25,  35      719.700   6059.200   2.3502E+01 (2009,130,2300)
25,  36      719.700   6059.300   2.2950E+01 (2009,128,2300)
25,  37      719.700   6059.400   1.8981E+01 (2009,124,2300)
25,  38      719.700   6059.500   1.7059E+01 (2009,124,2300)
25,  39      719.700   6059.600   1.5272E+01 (2009,124,2300)
25,  40      719.700   6059.700   1.3712E+01 (2009,124,2300)
25,  41      719.700   6059.800   1.2278E+01 (2009,124,2300)
25,  42      719.700   6059.900   1.1010E+01 (2009,124,2300)
25,  43      719.700   6060.000   9.8708E+00 (2009,124,2300)
25,  44      719.700   6060.100   9.0046E+00 (2009,125,2300)
25,  45      719.700   6060.200   8.5410E+00 (2009,125,2300)
25,  46      719.700   6060.300   8.1105E+00 (2009,125,2300)
25,  47      719.700   6060.400   7.7349E+00 (2009,125,2300)
25,  48      719.700   6060.500   7.3850E+00 (2009,125,2300)
25,  49      719.700   6060.600   7.0788E+00 (2009,125,2300)
25,  50      719.700   6060.700   6.7909E+00 (2009,125,2300)
25,  51      719.700   6060.800   6.5368E+00 (2009,125,2300)
26,   1      719.800   6055.800   3.4794E+00 (2009,219,2300)
26,   2      719.800   6055.900   3.7219E+00 (2009,219,2300)
26,   3      719.800   6056.000   3.9954E+00 (2009,219,2300)
26,   4      719.800   6056.100   4.3016E+00 (2009,219,2300)
26,   5      719.800   6056.200   4.6614E+00 (2009,118,2300)
26,   6      719.800   6056.300   5.2524E+00 (2009,118,2300)
26,   7      719.800   6056.400   5.9094E+00 (2009,118,2300)
26,   8      719.800   6056.500   6.6281E+00 (2009,118,2300)
26,   9      719.800   6056.600   7.4212E+00 (2009,118,2300)
26,  10      719.800   6056.700   8.2853E+00 (2009,118,2300)
26,  11      719.800   6056.800   9.2096E+00 (2009,118,2300)
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26, 12        719.800    6056.900     1.0211E+01   (2009,118,2300)
26, 13        719.800    6057.000     1.1295E+01   (2009,118,2300)
26, 14        719.800    6057.100     1.2479E+01   (2009,118,2300)
26, 15        719.800    6057.200     1.3797E+01   (2009,118,2300)
26, 16        719.800    6057.300     1.5357E+01   (2009,118,2300)
26, 17        719.800    6057.400     1.7320E+01   (2009,118,2300)
26, 18        719.800    6057.500     2.0039E+01   (2009,118,2300)
26, 19        719.800    6057.600     2.3970E+01   (2009,118,2300)
26, 20        719.800    6057.700     3.0176E+01   (2009,118,2300)
26, 21        719.800    6057.800     4.0407E+01   (2009,118,2300)
26, 22        719.800    6057.900     6.0454E+01   (2009,118,2300)
26, 23        719.800    6058.000     9.5926E+01   (2009,118,2300)
26, 24        719.800    6058.100     1.3412E+02   (2009,118,2300)
26, 25        719.800    6058.200     1.0679E+02   (2009,118,2300)
26, 26        719.800    6058.300     8.9382E+01   (2009,153,2300)
26, 27        719.800    6058.400     7.0211E+01   (2009,153,2300)
26, 28        719.800    6058.500     6.6708E+01   (2009,090,2300)
26, 29        719.800    6058.600     5.1603E+01   (2009,153,2300)
26, 30        719.800    6058.700     3.5054E+01   (2009,153,2300)
26, 31        719.800    6058.800     2.6555E+01   (2009,124,2300)
26, 32        719.800    6058.900     2.7612E+01   (2009,315,2300)
26, 33        719.800    6059.000     2.7799E+01   (2009,124,2300)
26, 34        719.800    6059.100     2.6925E+01   (2009,124,2300)
26, 35        719.800    6059.200     2.4345E+01   (2009,124,2300)
26, 36        719.800    6059.300     2.3197E+01   (2009,125,2300)
26, 37        719.800    6059.400     2.2473E+01   (2009,125,2300)
26, 38        719.800    6059.500     2.0273E+01   (2009,125,2300)
26, 39        719.800    6059.600     1.7882E+01   (2009,125,2300)
26, 40        719.800    6059.700     1.6010E+01   (2009,125,2300)
26, 41        719.800    6059.800     1.4449E+01   (2009,125,2300)
26, 42        719.800    6059.900     1.3232E+01   (2009,125,2300)
26, 43        719.800    6060.000     1.2222E+01   (2009,125,2300)
26, 44        719.800    6060.100     1.1373E+01   (2009,125,2300)
26, 45        719.800    6060.200     1.0649E+01   (2009,125,2300)
26, 46        719.800    6060.300     1.0002E+01   (2009,125,2300)
26, 47        719.800    6060.400     9.4435E+00   (2009,125,2300)
26, 48        719.800    6060.500     8.9263E+00   (2009,125,2300)
26, 49        719.800    6060.600     8.4769E+00   (2009,125,2300)
26, 50        719.800    6060.700     8.0540E+00   (2009,125,2300)
26, 51        719.800    6060.800     7.6829E+00   (2009,125,2300)
27,  1        719.900    6055.800     4.0176E+00   (2009,219,2300)
27,  2        719.900    6055.900     4.3300E+00   (2009,219,2300)
27,  3        719.900    6056.000     4.6852E+00   (2009,219,2300)
27,  4        719.900    6056.100     5.0856E+00   (2009,219,2300)
27,  5        719.900    6056.200     5.5271E+00   (2009,219,2300)
27,  6        719.900    6056.300     6.0119E+00   (2009,219,2300)
27,  7        719.900    6056.400     6.5243E+00   (2009,219,2300)
27,  8        719.900    6056.500     7.0461E+00   (2009,219,2300)
27,  9        719.900    6056.600     7.5723E+00   (2009,219,2300)
27, 10        719.900    6056.700     8.4624E+00   (2009,118,2300)
27, 11        719.900    6056.800     9.4424E+00   (2009,118,2300)
27, 12        719.900    6056.900     1.0512E+01   (2009,118,2300)
27, 13        719.900    6057.000     1.1691E+01   (2009,118,2300)
27, 14        719.900    6057.100     1.2968E+01   (2009,118,2300)
27, 15        719.900    6057.200     1.4337E+01   (2009,118,2300)
27, 16        719.900    6057.300     1.6019E+01   (2009,118,2300)
27, 17        719.900    6057.400     1.8105E+01   (2009,118,2300)
27, 18        719.900    6057.500     2.1125E+01   (2009,118,2300)
27, 19        719.900    6057.600     2.5299E+01   (2009,118,2300)
27, 20        719.900    6057.700     3.1339E+01   (2009,118,2300)
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27, 21      719.900   6057.800    4.0799E+01  (2009,118,2300)
27, 22      719.900   6057.900    6.1103E+01  (2009,118,2300)
27, 23      719.900   6058.000    9.5202E+01  (2009,118,2300)
27, 24      719.900   6058.100    1.3971E+02  (2009,118,2300)
27, 25      719.900   6058.200    1.1203E+02  (2009,118,2300)
27, 26      719.900   6058.300    1.2121E+02  (2009,118,2300)
27, 27      719.900   6058.400    1.7099E+02  (2009,118,2300)
27, 28      719.900   6058.500    1.4338E+02  (2009,064,2300)
27, 29      719.900   6058.600    3.8521E+01  (2009,125,2300)
27, 30      719.900   6058.700    2.9844E+01  (2009,121,2300)
27, 31      719.900   6058.800    2.7307E+01  (2009,121,2300)
27, 32      719.900   6058.900    2.8535E+01  (2009,121,2300)
27, 33      719.900   6059.000    2.8035E+01  (2009,121,2300)
27, 34      719.900   6059.100    2.8261E+01  (2009,064,2300)
27, 35      719.900   6059.200    2.6401E+01  (2009,064,2300)
27, 36      719.900   6059.300    2.3041E+01  (2009,006,2300)
27, 37      719.900   6059.400    2.1019E+01  (2009,006,2300)
27, 38      719.900   6059.500    1.8407E+01  (2009,125,2300)
27, 39      719.900   6059.600    1.6962E+01  (2009,125,2300)
27, 40      719.900   6059.700    1.5750E+01  (2009,125,2300)
27, 41      719.900   6059.800    1.4570E+01  (2009,125,2300)
27, 42      719.900   6059.900    1.3568E+01  (2009,125,2300)
27, 43      719.900   6060.000    1.2654E+01  (2009,125,2300)
27, 44      719.900   6060.100    1.1839E+01  (2009,125,2300)
27, 45      719.900   6060.200    1.1115E+01  (2009,125,2300)
27, 46      719.900   6060.300    1.0442E+01  (2009,125,2300)
27, 47      719.900   6060.400    9.8512E+00  (2009,125,2300)
27, 48      719.900   6060.500    9.2906E+00  (2009,125,2300)
27, 49      719.900   6060.600    8.7991E+00  (2009,125,2300)
27, 50      719.900   6060.700    8.3307E+00  (2009,125,2300)
27, 51      719.900   6060.800    7.9184E+00  (2009,125,2300)
28,  1      720.000   6055.800    4.3777E+00  (2009,219,2300)
28,  2      720.000   6055.900    4.7377E+00  (2009,219,2300)
28,  3      720.000   6056.000    5.1485E+00  (2009,219,2300)
28,  4      720.000   6056.100    5.6131E+00  (2009,219,2300)
28,  5      720.000   6056.200    6.1256E+00  (2009,219,2300)
28,  6      720.000   6056.300    6.6848E+00  (2009,219,2300)
28,  7      720.000   6056.400    7.2824E+00  (2009,219,2300)
28,  8      720.000   6056.500    7.9034E+00  (2009,219,2300)
28,  9      720.000   6056.600    8.5424E+00  (2009,219,2300)
28, 10      720.000   6056.700    9.1966E+00  (2009,219,2300)
28, 11      720.000   6056.800    9.8728E+00  (2009,219,2300)
28, 12      720.000   6056.900    1.0592E+01  (2009,219,2300)
28, 13      720.000   6057.000    1.1757E+01  (2009,118,2300)
28, 14      720.000   6057.100    1.3103E+01  (2009,118,2300)
28, 15      720.000   6057.200    1.4546E+01  (2009,118,2300)
28, 16      720.000   6057.300    1.6396E+01  (2009,118,2300)
28, 17      720.000   6057.400    1.8620E+01  (2009,118,2300)
28, 18      720.000   6057.500    2.1361E+01  (2009,118,2300)
28, 19      720.000   6057.600    2.4819E+01  (2009,118,2300)
28, 20      720.000   6057.700    2.9894E+01  (2009,118,2300)
28, 21      720.000   6057.800    3.6830E+01  (2009,118,2300)
28, 22      720.000   6057.900    4.8980E+01  (2009,118,2300)
28, 23      720.000   6058.000    6.8947E+01  (2009,154,2300)
28, 24      720.000   6058.100    1.0564E+02  (2009,154,2300)
28, 25      720.000   6058.200    9.5788E+01  (2009,154,2300)
28, 26      720.000   6058.300    8.5899E+01  (2009,154,2300)
28, 27      720.000   6058.400    7.7328E+01  (2009,154,2300)
28, 28      720.000   6058.500    4.5127E+01  (2009,221,2300)
28, 29      720.000   6058.600    3.1173E+01  (2009,145,2300)
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28, 30      720.000   6058.700    2.9262E+01  (2009,121,2300)
28, 31      720.000   6058.800    2.8146E+01  (2009,121,2300)
28, 32      720.000   6058.900    2.7347E+01  (2009,121,2300)
28, 33      720.000   6059.000    2.5724E+01  (2009,064,2300)
28, 34      720.000   6059.100    2.6432E+01  (2009,064,2300)
28, 35      720.000   6059.200    2.6950E+01  (2009,064,2300)
28, 36      720.000   6059.300    2.7270E+01  (2009,064,2300)
28, 37      720.000   6059.400    2.4009E+01  (2009,064,2300)
28, 38      720.000   6059.500    1.9885E+01  (2009,064,2300)
28, 39      720.000   6059.600    1.6421E+01  (2009,121,2300)
28, 40      720.000   6059.700    1.4261E+01  (2009,121,2300)
28, 41      720.000   6059.800    1.2485E+01  (2009,006,2300)
28, 42      720.000   6059.900    1.1563E+01  (2009,006,2300)
28, 43      720.000   6060.000    1.0580E+01  (2009,006,2300)
28, 44      720.000   6060.100    9.6550E+00  (2009,006,2300)
28, 45      720.000   6060.200    9.1560E+00  (2009,125,2300)
28, 46      720.000   6060.300    8.7526E+00  (2009,125,2300)
28, 47      720.000   6060.400    8.3676E+00  (2009,125,2300)
28, 48      720.000   6060.500    7.9855E+00  (2009,125,2300)
28, 49      720.000   6060.600    7.6315E+00  (2009,125,2300)
28, 50      720.000   6060.700    7.2826E+00  (2009,125,2300)
28, 51      720.000   6060.800    6.9649E+00  (2009,125,2300)
29,  1      720.100   6055.800    4.4346E+00  (2009,219,2300)
29,  2      720.100   6055.900    4.8011E+00  (2009,219,2300)
29,  3      720.100   6056.000    5.2187E+00  (2009,219,2300)
29,  4      720.100   6056.100    5.6907E+00  (2009,219,2300)
29,  5      720.100   6056.200    6.2101E+00  (2009,219,2300)
29,  6      720.100   6056.300    6.7637E+00  (2009,219,2300)
29,  7      720.100   6056.400    7.3505E+00  (2009,219,2300)
29,  8      720.100   6056.500    7.9602E+00  (2009,219,2300)
29,  9      720.100   6056.600    8.5730E+00  (2009,219,2300)
29, 10      720.100   6056.700    9.1971E+00  (2009,219,2300)
29, 11      720.100   6056.800    9.8388E+00  (2009,219,2300)
29, 12      720.100   6056.900    1.0520E+01  (2009,219,2300)
29, 13      720.100   6057.000    1.1333E+01  (2009,118,2300)
29, 14      720.100   6057.100    1.2646E+01  (2009,118,2300)
29, 15      720.100   6057.200    1.4024E+01  (2009,118,2300)
29, 16      720.100   6057.300    1.5857E+01  (2009,118,2300)
29, 17      720.100   6057.400    1.7916E+01  (2009,118,2300)
29, 18      720.100   6057.500    1.9905E+01  (2009,118,2300)
29, 19      720.100   6057.600    2.1805E+01  (2009,118,2300)
29, 20      720.100   6057.700    2.5373E+01  (2009,118,2300)
29, 21      720.100   6057.800    2.8930E+01  (2009,118,2300)
29, 22      720.100   6057.900    3.8429E+01  (2009,154,2300)
29, 23      720.100   6058.000    5.7378E+01  (2009,154,2300)
29, 24      720.100   6058.100    7.5300E+01  (2009,154,2300)
29, 25      720.100   6058.200    7.3879E+01  (2009,154,2300)
29, 26      720.100   6058.300    5.6703E+01  (2009,154,2300)
29, 27      720.100   6058.400    4.7263E+01  (2009,224,2300)
29, 28      720.100   6058.500    3.3334E+01  (2009,224,2300)
29, 29      720.100   6058.600    1.9049E+01  (2009,166,2300)
29, 30      720.100   6058.700    2.0132E+01  (2009,166,2300)
29, 31      720.100   6058.800    2.1436E+01  (2009,122,2300)
29, 32      720.100   6058.900    2.1051E+01  (2009,122,2300)
29, 33      720.100   6059.000    2.0444E+01  (2009,121,2300)
29, 34      720.100   6059.100    2.0797E+01  (2009,064,2300)
29, 35      720.100   6059.200    2.1356E+01  (2009,064,2300)
29, 36      720.100   6059.300    2.2533E+01  (2009,064,2300)
29, 37      720.100   6059.400    2.2808E+01  (2009,064,2300)
29, 38      720.100   6059.500    2.1176E+01  (2009,064,2300)
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29, 39      720.100   6059.600      1.8570E+01  (2009,064,2300)
29, 40      720.100   6059.700      1.6243E+01  (2009,064,2300)
29, 41      720.100   6059.800      1.4505E+01  (2009,121,2300)
29, 42      720.100   6059.900      1.3109E+01  (2009,121,2300)
29, 43      720.100   6060.000      1.1808E+01  (2009,121,2300)
29, 44      720.100   6060.100      1.0639E+01  (2009,121,2300)
29, 45      720.100   6060.200      9.5915E+00  (2009,121,2300)
29, 46      720.100   6060.300      8.6663E+00  (2009,121,2300)
29, 47      720.100   6060.400      7.8495E+00  (2009,121,2300)
29, 48      720.100   6060.500      7.1672E+00  (2009,006,2300)
29, 49      720.100   6060.600      6.7245E+00  (2009,006,2300)
29, 50      720.100   6060.700      6.2970E+00  (2009,006,2300)
29, 51      720.100   6060.800      5.8997E+00  (2009,006,2300)
30,  1      720.200   6055.800      4.1351E+00  (2009,219,2300)
30,  2      720.200   6055.900      4.4622E+00  (2009,219,2300)
30,  3      720.200   6056.000      4.8328E+00  (2009,219,2300)
30,  4      720.200   6056.100      5.2481E+00  (2009,219,2300)
30,  5      720.200   6056.200      5.6984E+00  (2009,219,2300)
30,  6      720.200   6056.300      6.1634E+00  (2009,219,2300)
30,  7      720.200   6056.400      6.6435E+00  (2009,219,2300)
30,  8      720.200   6056.500      7.1335E+00  (2009,219,2300)
30,  9      720.200   6056.600      7.6017E+00  (2009,219,2300)
30, 10      720.200   6056.700      8.0572E+00  (2009,219,2300)
30, 11      720.200   6056.800      8.5064E+00  (2009,219,2300)
30, 12      720.200   6056.900      9.3133E+00  (2009,118,2300)
30, 13      720.200   6057.000      1.0362E+01  (2009,118,2300)
30, 14      720.200   6057.100      1.1566E+01  (2009,118,2300)
30, 15      720.200   6057.200      1.2883E+01  (2009,118,2300)
30, 16      720.200   6057.300      1.4351E+01  (2009,118,2300)
30, 17      720.200   6057.400      1.5835E+01  (2009,118,2300)
30, 18      720.200   6057.500      1.6997E+01  (2009,118,2300)
30, 19      720.200   6057.600      1.7591E+01  (2009,118,2300)
30, 20      720.200   6057.700      1.8696E+01  (2009,118,2300)
30, 21      720.200   6057.800      2.4066E+01  (2009,154,2300)
30, 22      720.200   6057.900      3.1740E+01  (2009,154,2300)
30, 23      720.200   6058.000      4.2358E+01  (2009,154,2300)
30, 24      720.200   6058.100      4.9580E+01  (2009,154,2300)
30, 25      720.200   6058.200      4.8070E+01  (2009,154,2300)
30, 26      720.200   6058.300      3.6171E+01  (2009,154,2300)
30, 27      720.200   6058.400      3.1077E+01  (2009,224,2300)
30, 28      720.200   6058.500      2.4235E+01  (2009,224,2300)
30, 29      720.200   6058.600      1.6078E+01  (2009,226,2300)
30, 30      720.200   6058.700      1.6295E+01  (2009,166,2300)
30, 31      720.200   6058.800      1.7363E+01  (2009,166,2300)
30, 32      720.200   6058.900      1.7956E+01  (2009,166,2300)
30, 33      720.200   6059.000      1.7207E+01  (2009,166,2300)
30, 34      720.200   6059.100      1.5876E+01  (2009,166,2300)
30, 35      720.200   6059.200      1.6102E+01  (2009,064,2300)
30, 36      720.200   6059.300      1.7139E+01  (2009,064,2300)
30, 37      720.200   6059.400      1.8078E+01  (2009,064,2300)
30, 38      720.200   6059.500      1.8048E+01  (2009,064,2300)
30, 39      720.200   6059.600      1.7281E+01  (2009,064,2300)
30, 40      720.200   6059.700      1.6010E+01  (2009,064,2300)
30, 41      720.200   6059.800      1.4524E+01  (2009,064,2300)
30, 42      720.200   6059.900      1.3477E+01  (2009,121,2300)
30, 43      720.200   6060.000      1.2593E+01  (2009,121,2300)
30, 44      720.200   6060.100      1.1697E+01  (2009,121,2300)
30, 45      720.200   6060.200      1.0805E+01  (2009,121,2300)
30, 46      720.200   6060.300      9.9574E+00  (2009,121,2300)
30, 47      720.200   6060.400      9.1604E+00  (2009,121,2300)
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30, 48      720.200   6060.500    8.4235E+00  (2009,121,2300)
30, 49      720.200   6060.600    7.7455E+00  (2009,121,2300)
30, 50      720.200   6060.700    7.1271E+00  (2009,121,2300)
30, 51      720.200   6060.800    6.5640E+00  (2009,121,2300)
31,  1      720.300   6055.800    3.5409E+00  (2009,219,2300)
31,  2      720.300   6055.900    3.7970E+00  (2009,219,2300)
31,  3      720.300   6056.000    4.0854E+00  (2009,219,2300)
31,  4      720.300   6056.100    4.4021E+00  (2009,219,2300)
31,  5      720.300   6056.200    4.7344E+00  (2009,219,2300)
31,  6      720.300   6056.300    5.0683E+00  (2009,219,2300)
31,  7      720.300   6056.400    5.3982E+00  (2009,219,2300)
31,  8      720.300   6056.500    5.7155E+00  (2009,219,2300)
31,  9      720.300   6056.600    6.0630E+00  (2009,118,2300)
31, 10      720.300   6056.700    6.6957E+00  (2009,118,2300)
31, 11      720.300   6056.800    7.3743E+00  (2009,118,2300)
31, 12      720.300   6056.900    8.1186E+00  (2009,118,2300)
31, 13      720.300   6057.000    8.9438E+00  (2009,118,2300)
31, 14      720.300   6057.100    9.8580E+00  (2009,118,2300)
31, 15      720.300   6057.200    1.0857E+01  (2009,118,2300)
31, 16      720.300   6057.300    1.1879E+01  (2009,118,2300)
31, 17      720.300   6057.400    1.2778E+01  (2009,118,2300)
31, 18      720.300   6057.500    1.3213E+01  (2009,118,2300)
31, 19      720.300   6057.600    1.3486E+01  (2009,154,2300)
31, 20      720.300   6057.700    1.6094E+01  (2009,154,2300)
31, 21      720.300   6057.800    1.8933E+01  (2009,154,2300)
31, 22      720.300   6057.900    2.4333E+01  (2009,154,2300)
31, 23      720.300   6058.000    3.0545E+01  (2009,154,2300)
31, 24      720.300   6058.100    3.4174E+01  (2009,154,2300)
31, 25      720.300   6058.200    3.4932E+01  (2009,154,2300)
31, 26      720.300   6058.300    2.8464E+01  (2009,224,2300)
31, 27      720.300   6058.400    2.2558E+01  (2009,226,2300)
31, 28      720.300   6058.500    1.8798E+01  (2009,224,2300)
31, 29      720.300   6058.600    1.4018E+01  (2009,144,2300)
31, 30      720.300   6058.700    1.3245E+01  (2009,166,2300)
31, 31      720.300   6058.800    1.4333E+01  (2009,166,2300)
31, 32      720.300   6058.900    1.5322E+01  (2009,166,2300)
31, 33      720.300   6059.000    1.6021E+01  (2009,166,2300)
31, 34      720.300   6059.100    1.5849E+01  (2009,166,2300)
31, 35      720.300   6059.200    1.4740E+01  (2009,166,2300)
31, 36      720.300   6059.300    1.3315E+01  (2009,122,2300)
31, 37      720.300   6059.400    1.3496E+01  (2009,064,2300)
31, 38      720.300   6059.500    1.4126E+01  (2009,064,2300)
31, 39      720.300   6059.600    1.4289E+01  (2009,064,2300)
31, 40      720.300   6059.700    1.3899E+01  (2009,064,2300)
31, 41      720.300   6059.800    1.3250E+01  (2009,064,2300)
31, 42      720.300   6059.900    1.2428E+01  (2009,064,2300)
31, 43      720.300   6060.000    1.1819E+01  (2009,121,2300)
31, 44      720.300   6060.100    1.1378E+01  (2009,121,2300)
31, 45      720.300   6060.200    1.0842E+01  (2009,121,2300)
31, 46      720.300   6060.300    1.0266E+01  (2009,121,2300)
31, 47      720.300   6060.400    9.6650E+00  (2009,121,2300)
31, 48      720.300   6060.500    9.0648E+00  (2009,121,2300)
31, 49      720.300   6060.600    8.4776E+00  (2009,121,2300)
31, 50      720.300   6060.700    7.9128E+00  (2009,121,2300)
31, 51      720.300   6060.800    7.3758E+00  (2009,121,2300)
32,  1      720.400   6055.800    2.8042E+00  (2009,219,2300)
32,  2      720.400   6055.900    2.9834E+00  (2009,219,2300)
32,  3      720.400   6056.000    3.1812E+00  (2009,219,2300)
32,  4      720.400   6056.100    3.3924E+00  (2009,219,2300)
32,  5      720.400   6056.200    3.6069E+00  (2009,219,2300)
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32,  6      720.400   6056.300    3.9024E+00 (2009,118,2300)
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32,  8      720.400   6056.500    4.7451E+00 (2009,118,2300)
32,  9      720.400   6056.600    5.2058E+00 (2009,118,2300)
32, 10      720.400   6056.700    5.6827E+00 (2009,118,2300)
32, 11      720.400   6056.800    6.1782E+00 (2009,118,2300)
32, 12      720.400   6056.900    6.7085E+00 (2009,118,2300)
32, 13      720.400   6057.000    7.2776E+00 (2009,118,2300)
32, 14      720.400   6057.100    7.8715E+00 (2009,118,2300)
32, 15      720.400   6057.200    8.4811E+00 (2009,118,2300)
32, 16      720.400   6057.300    9.0501E+00 (2009,118,2300)
32, 17      720.400   6057.400    9.4709E+00 (2009,118,2300)
32, 18      720.400   6057.500    1.1298E+01 (2009,154,2300)
32, 19      720.400   6057.600    1.3480E+01 (2009,154,2300)
32, 20      720.400   6057.700    1.6064E+01 (2009,154,2300)
32, 21      720.400   6057.800    1.8521E+01 (2009,154,2300)
32, 22      720.400   6057.900    2.1135E+01 (2009,154,2300)
32, 23      720.400   6058.000    2.3341E+01 (2009,154,2300)
32, 24      720.400   6058.100    2.4838E+01 (2009,154,2300)
32, 25      720.400   6058.200    2.5400E+01 (2009,224,2300)
32, 26      720.400   6058.300    2.2688E+01 (2009,224,2300)
32, 27      720.400   6058.400    1.8236E+01 (2009,224,2300)
32, 28      720.400   6058.500    1.5986E+01 (2009,224,2300)
32, 29      720.400   6058.600    1.2518E+01 (2009,144,2300)
32, 30      720.400   6058.700    1.1415E+01 (2009,231,2300)
32, 31      720.400   6058.800    1.2311E+01 (2009,222,2300)
32, 32      720.400   6058.900    1.3393E+01 (2009,222,2300)
32, 33      720.400   6059.000    1.3466E+01 (2009,166,2300)
32, 34      720.400   6059.100    1.4074E+01 (2009,166,2300)
32, 35      720.400   6059.200    1.3974E+01 (2009,166,2300)
32, 36      720.400   6059.300    1.3091E+01 (2009,166,2300)
32, 37      720.400   6059.400    1.1752E+01 (2009,166,2300)
32, 38      720.400   6059.500    1.1157E+01 (2009,122,2300)
32, 39      720.400   6059.600    1.1143E+01 (2009,064,2300)
32, 40      720.400   6059.700    1.1293E+01 (2009,064,2300)
32, 41      720.400   6059.800    1.1173E+01 (2009,064,2300)
32, 42      720.400   6059.900    1.0834E+01 (2009,064,2300)
32, 43      720.400   6060.000    1.0394E+01 (2009,064,2300)
32, 44      720.400   6060.100    1.0001E+01 (2009,121,2300)
32, 45      720.400   6060.200    9.8465E+00 (2009,121,2300)
32, 46      720.400   6060.300    9.6052E+00 (2009,121,2300)
32, 47      720.400   6060.400    9.2883E+00 (2009,121,2300)
32, 48      720.400   6060.500    8.9242E+00 (2009,121,2300)
32, 49      720.400   6060.600    8.5265E+00 (2009,121,2300)
32, 50      720.400   6060.700    8.1098E+00 (2009,121,2300)
32, 51      720.400   6060.800    7.6872E+00 (2009,121,2300)
33,  1      720.500   6055.800    2.0849E+00 (2009,219,2300)
33,  2      720.500   6055.900    2.2190E+00 (2009,118,2300)
33,  3      720.500   6056.000    2.4694E+00 (2009,118,2300)
33,  4      720.500   6056.100    2.7394E+00 (2009,118,2300)
33,  5      720.500   6056.200    3.0260E+00 (2009,118,2300)
33,  6      720.500   6056.300    3.3258E+00 (2009,118,2300)
33,  7      720.500   6056.400    3.6351E+00 (2009,118,2300)
33,  8      720.500   6056.500    3.9529E+00 (2009,118,2300)
33,  9      720.500   6056.600    4.2795E+00 (2009,118,2300)
33, 10      720.500   6056.700    4.6060E+00 (2009,118,2300)
33, 11      720.500   6056.800    4.9324E+00 (2009,118,2300)
33, 12      720.500   6056.900    5.2612E+00 (2009,118,2300)
33, 13      720.500   6057.000    5.5947E+00 (2009,118,2300)
33, 14      720.500   6057.100    5.9134E+00 (2009,118,2300)
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33, 15       720.500    6057.200    6.2043E+00  (2009,118,2300)
33, 16       720.500    6057.300    6.9935E+00  (2009,154,2300)
33, 17       720.500    6057.400    8.5905E+00  (2009,154,2300)
33, 18       720.500    6057.500    1.0656E+01  (2009,154,2300)
33, 19       720.500    6057.600    1.3243E+01  (2009,226,2300)
33, 20       720.500    6057.700    1.6183E+01  (2009,226,2300)
33, 21       720.500    6057.800    1.8855E+01  (2009,226,2300)
33, 22       720.500    6057.900    1.9501E+01  (2009,226,2300)
33, 23       720.500    6058.000    1.8138E+01  (2009,226,2300)
33, 24       720.500    6058.100    1.8739E+01  (2009,154,2300)
33, 25       720.500    6058.200    1.9893E+01  (2009,224,2300)
33, 26       720.500    6058.300    1.8423E+01  (2009,224,2300)
33, 27       720.500    6058.400    1.5361E+01  (2009,224,2300)
33, 28       720.500    6058.500    1.3878E+01  (2009,224,2300)
33, 29       720.500    6058.600    1.1538E+01  (2009,224,2300)
33, 30       720.500    6058.700    1.0641E+01  (2009,231,2300)
33, 31       720.500    6058.800    1.0263E+01  (2009,222,2300)
33, 32       720.500    6058.900    1.1692E+01  (2009,222,2300)
33, 33       720.500    6059.000    1.2551E+01  (2009,222,2300)
33, 34       720.500    6059.100    1.2331E+01  (2009,222,2300)
33, 35       720.500    6059.200    1.2191E+01  (2009,166,2300)
33, 36       720.500    6059.300    1.2142E+01  (2009,166,2300)
33, 37       720.500    6059.400    1.1543E+01  (2009,166,2300)
33, 38       720.500    6059.500    1.0632E+01  (2009,166,2300)
33, 39       720.500    6059.600    9.5848E+00  (2009,166,2300)
33, 40       720.500    6059.700    9.3097E+00  (2009,122,2300)
33, 41       720.500    6059.800    9.0388E+00  (2009,064,2300)
33, 42       720.500    6059.900    9.0180E+00  (2009,064,2300)
33, 43       720.500    6060.000    8.8640E+00  (2009,064,2300)
33, 44       720.500    6060.100    8.6200E+00  (2009,064,2300)
33, 45       720.500    6060.200    8.3297E+00  (2009,064,2300)
33, 46       720.500    6060.300    8.2757E+00  (2009,121,2300)
33, 47       720.500    6060.400    8.2292E+00  (2009,121,2300)
33, 48       720.500    6060.500    8.1120E+00  (2009,121,2300)
33, 49       720.500    6060.600    7.9355E+00  (2009,121,2300)
33, 50       720.500    6060.700    7.7111E+00  (2009,121,2300)
33, 51       720.500    6060.800    7.4546E+00  (2009,121,2300)
34,  1       720.600    6055.800    1.7174E+00  (2009,118,2300)
34,  2       720.600    6055.900    1.8999E+00  (2009,118,2300)
34,  3       720.600    6056.000    2.0956E+00  (2009,118,2300)
34,  4       720.600    6056.100    2.3037E+00  (2009,118,2300)
34,  5       720.600    6056.200    2.5185E+00  (2009,118,2300)
34,  6       720.600    6056.300    2.7365E+00  (2009,118,2300)
34,  7       720.600    6056.400    2.9554E+00  (2009,118,2300)
34,  8       720.600    6056.500    3.1696E+00  (2009,118,2300)
34,  9       720.600    6056.600    3.3789E+00  (2009,118,2300)
34, 10       720.600    6056.700    3.5783E+00  (2009,118,2300)
34, 11       720.600    6056.800    3.7638E+00  (2009,118,2300)
34, 12       720.600    6056.900    3.9371E+00  (2009,118,2300)
34, 13       720.600    6057.000    4.0913E+00  (2009,118,2300)
34, 14       720.600    6057.100    4.6289E+00  (2009,154,2300)
34, 15       720.600    6057.200    5.3964E+00  (2009,154,2300)
34, 16       720.600    6057.300    6.4657E+00  (2009,154,2300)
34, 17       720.600    6057.400    7.9235E+00  (2009,154,2300)
34, 18       720.600    6057.500    9.7331E+00  (2009,226,2300)
34, 19       720.600    6057.600    1.2345E+01  (2009,226,2300)
34, 20       720.600    6057.700    1.5456E+01  (2009,226,2300)
34, 21       720.600    6057.800    1.8438E+01  (2009,226,2300)
34, 22       720.600    6057.900    1.9511E+01  (2009,226,2300)
34, 23       720.600    6058.000    1.8792E+01  (2009,226,2300)
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34, 24      720.600   6058.100    1.8380E+01  (2009,226,2300)
34, 25      720.600   6058.200    1.7957E+01  (2009,226,2300)
34, 26      720.600   6058.300    1.6486E+01  (2009,224,2300)
34, 27      720.600   6058.400    1.3859E+01  (2009,224,2300)
34, 28      720.600   6058.500    1.2609E+01  (2009,224,2300)
34, 29      720.600   6058.600    1.0531E+01  (2009,224,2300)
34, 30      720.600   6058.700    9.7959E+00  (2009,231,2300)
34, 31      720.600   6058.800    9.5769E+00  (2009,231,2300)
34, 32      720.600   6058.900    9.8473E+00  (2009,222,2300)
34, 33      720.600   6059.000    1.1083E+01  (2009,222,2300)
34, 34      720.600   6059.100    1.1817E+01  (2009,222,2300)
34, 35      720.600   6059.200    1.1806E+01  (2009,222,2300)
34, 36      720.600   6059.300    1.1094E+01  (2009,222,2300)
34, 37      720.600   6059.400    1.0503E+01  (2009,166,2300)
34, 38      720.600   6059.500    1.0185E+01  (2009,166,2300)
34, 39      720.600   6059.600    9.5956E+00  (2009,166,2300)
34, 40      720.600   6059.700    8.8534E+00  (2009,166,2300)
34, 41      720.600   6059.800    8.1257E+00  (2009,122,2300)
34, 42      720.600   6059.900    7.8350E+00  (2009,122,2300)
34, 43      720.600   6060.000    7.4769E+00  (2009,122,2300)
34, 44      720.600   6060.100    7.3928E+00  (2009,289,2300)
34, 45      720.600   6060.200    7.3963E+00  (2009,289,2300)
34, 46      720.600   6060.300    7.2958E+00  (2009,289,2300)
34, 47      720.600   6060.400    7.0893E+00  (2009,289,2300)
34, 48      720.600   6060.500    6.8818E+00  (2009,121,2300)
34, 49      720.600   6060.600    6.8958E+00  (2009,121,2300)
34, 50      720.600   6060.700    6.8557E+00  (2009,121,2300)
34, 51      720.600   6060.800    6.7678E+00  (2009,121,2300)
35,  1      720.700   6055.800    1.4463E+00  (2009,118,2300)
35,  2      720.700   6055.900    1.5846E+00  (2009,118,2300)
35,  3      720.700   6056.000    1.7307E+00  (2009,118,2300)
35,  4      720.700   6056.100    1.8815E+00  (2009,118,2300)
35,  5      720.700   6056.200    2.0339E+00  (2009,118,2300)
35,  6      720.700   6056.300    2.1811E+00  (2009,118,2300)
35,  7      720.700   6056.400    2.3231E+00  (2009,118,2300)
35,  8      720.700   6056.500    2.4550E+00  (2009,118,2300)
35,  9      720.700   6056.600    2.5777E+00  (2009,154,2300)
35, 10      720.700   6056.700    2.7953E+00  (2009,154,2300)
35, 11      720.700   6056.800    3.0442E+00  (2009,154,2300)
35, 12      720.700   6056.900    3.3490E+00  (2009,154,2300)
35, 13      720.700   6057.000    3.7378E+00  (2009,154,2300)
35, 14      720.700   6057.100    4.2626E+00  (2009,154,2300)
35, 15      720.700   6057.200    4.9845E+00  (2009,154,2300)
35, 16      720.700   6057.300    5.9580E+00  (2009,154,2300)
35, 17      720.700   6057.400    7.2582E+00  (2009,154,2300)
35, 18      720.700   6057.500    8.8252E+00  (2009,154,2300)
35, 19      720.700   6057.600    1.0851E+01  (2009,226,2300)
35, 20      720.700   6057.700    1.3785E+01  (2009,226,2300)
35, 21      720.700   6057.800    1.6796E+01  (2009,226,2300)
35, 22      720.700   6057.900    1.8270E+01  (2009,226,2300)
35, 23      720.700   6058.000    1.8399E+01  (2009,226,2300)
35, 24      720.700   6058.100    1.7672E+01  (2009,226,2300)
35, 25      720.700   6058.200    1.6294E+01  (2009,226,2300)
35, 26      720.700   6058.300    1.4809E+01  (2009,224,2300)
35, 27      720.700   6058.400    1.2593E+01  (2009,224,2300)
35, 28      720.700   6058.500    1.1492E+01  (2009,224,2300)
35, 29      720.700   6058.600    9.4382E+00  (2009,224,2300)
35, 30      720.700   6058.700    8.9528E+00  (2009,231,2300)
35, 31      720.700   6058.800    9.0126E+00  (2009,231,2300)
35, 32      720.700   6058.900    8.7768E+00  (2009,174,2300)
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35, 33      720.700   6059.000    9.4489E+00 (2009,222,2300)
35, 34      720.700   6059.100    1.0602E+01 (2009,222,2300)
35, 35      720.700   6059.200    1.1218E+01 (2009,222,2300)
35, 36      720.700   6059.300    1.1098E+01 (2009,222,2300)
35, 37      720.700   6059.400    1.0105E+01 (2009,222,2300)
35, 38      720.700   6059.500    9.1014E+00 (2009,166,2300)
35, 39      720.700   6059.600    8.9874E+00 (2009,166,2300)
35, 40      720.700   6059.700    8.6476E+00 (2009,166,2300)
35, 41      720.700   6059.800    8.1511E+00 (2009,166,2300)
35, 42      720.700   6059.900    7.5616E+00 (2009,166,2300)
35, 43      720.700   6060.000    6.9875E+00 (2009,166,2300)
35, 44      720.700   6060.100    6.6750E+00 (2009,122,2300)
35, 45      720.700   6060.200    6.4124E+00 (2009,289,2300)
35, 46      720.700   6060.300    6.5067E+00 (2009,289,2300)
35, 47      720.700   6060.400    6.5094E+00 (2009,289,2300)
35, 48      720.700   6060.500    6.4178E+00 (2009,289,2300)
35, 49      720.700   6060.600    6.2378E+00 (2009,289,2300)
35, 50      720.700   6060.700    5.9743E+00 (2009,289,2300)
35, 51      720.700   6060.800    5.7940E+00 (2009,121,2300)
36,  1      720.800   6055.800    1.1918E+00 (2009,118,2300)
36,  2      720.800   6055.900    1.2991E+00 (2009,154,2300)
36,  3      720.800   6056.000    1.4207E+00 (2009,154,2300)
36,  4      720.800   6056.100    1.5513E+00 (2009,154,2300)
36,  5      720.800   6056.200    1.6929E+00 (2009,154,2300)
36,  6      720.800   6056.300    1.8443E+00 (2009,154,2300)
36,  7      720.800   6056.400    2.0019E+00 (2009,154,2300)
36,  8      720.800   6056.500    2.1704E+00 (2009,154,2300)
36,  9      720.800   6056.600    2.3548E+00 (2009,154,2300)
36, 10      720.800   6056.700    2.5597E+00 (2009,154,2300)
36, 11      720.800   6056.800    2.7963E+00 (2009,154,2300)
36, 12      720.800   6056.900    3.0842E+00 (2009,154,2300)
36, 13      720.800   6057.000    3.4531E+00 (2009,154,2300)
36, 14      720.800   6057.100    3.9426E+00 (2009,154,2300)
36, 15      720.800   6057.200    4.6036E+00 (2009,154,2300)
36, 16      720.800   6057.300    5.4858E+00 (2009,154,2300)
36, 17      720.800   6057.400    6.6415E+00 (2009,154,2300)
36, 18      720.800   6057.500    8.0912E+00 (2009,154,2300)
36, 19      720.800   6057.600    9.7715E+00 (2009,226,2300)
36, 20      720.800   6057.700    1.2545E+01 (2009,226,2300)
36, 21      720.800   6057.800    1.5458E+01 (2009,226,2300)
36, 22      720.800   6057.900    1.7433E+01 (2009,226,2300)
36, 23      720.800   6058.000    1.8115E+01 (2009,226,2300)
36, 24      720.800   6058.100    1.6915E+01 (2009,226,2300)
36, 25      720.800   6058.200    1.4354E+01 (2009,226,2300)
36, 26      720.800   6058.300    1.3421E+01 (2009,224,2300)
36, 27      720.800   6058.400    1.1767E+01 (2009,224,2300)
36, 28      720.800   6058.500    1.0525E+01 (2009,224,2300)
36, 29      720.800   6058.600    8.8620E+00 (2009,209,2300)
36, 30      720.800   6058.700    8.1705E+00 (2009,231,2300)
36, 31      720.800   6058.800    8.4241E+00 (2009,231,2300)
36, 32      720.800   6058.900    8.4657E+00 (2009,174,2300)
36, 33      720.800   6059.000    8.0631E+00 (2009,174,2300)
36, 34      720.800   6059.100    9.1245E+00 (2009,222,2300)
36, 35      720.800   6059.200    1.0139E+01 (2009,222,2300)
36, 36      720.800   6059.300    1.0530E+01 (2009,222,2300)
36, 37      720.800   6059.400    1.0135E+01 (2009,222,2300)
36, 38      720.800   6059.500    9.0810E+00 (2009,222,2300)
36, 39      720.800   6059.600    7.9202E+00 (2009,166,2300)
36, 40      720.800   6059.700    7.9355E+00 (2009,166,2300)
36, 41      720.800   6059.800    7.7846E+00 (2009,166,2300)
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36, 42      720.800   6059.900    7.4718E+00  (2009,166,2300)
36, 43      720.800   6060.000    7.0566E+00  (2009,166,2300)
36, 44      720.800   6060.100    6.6020E+00  (2009,166,2300)
36, 45      720.800   6060.200    6.1678E+00  (2009,166,2300)
36, 46      720.800   6060.300    5.7612E+00  (2009,122,2300)
36, 47      720.800   6060.400    5.6803E+00  (2009,289,2300)
36, 48      720.800   6060.500    5.7587E+00  (2009,289,2300)
36, 49      720.800   6060.600    5.7570E+00  (2009,289,2300)
36, 50      720.800   6060.700    5.6756E+00  (2009,289,2300)
36, 51      720.800   6060.800    5.5230E+00  (2009,289,2300)
37,  1      720.900   6055.800    1.1258E+00  (2009,154,2300)
37,  2      720.900   6055.900    1.2258E+00  (2009,154,2300)
37,  3      720.900   6056.000    1.3340E+00  (2009,154,2300)
37,  4      720.900   6056.100    1.4502E+00  (2009,154,2300)
37,  5      720.900   6056.200    1.5757E+00  (2009,154,2300)
37,  6      720.900   6056.300    1.7101E+00  (2009,154,2300)
37,  7      720.900   6056.400    1.8521E+00  (2009,154,2300)
37,  8      720.900   6056.500    2.0052E+00  (2009,154,2300)
37,  9      720.900   6056.600    2.1760E+00  (2009,154,2300)
37, 10      720.900   6056.700    2.3675E+00  (2009,154,2300)
37, 11      720.900   6056.800    2.5909E+00  (2009,154,2300)
37, 12      720.900   6056.900    2.8627E+00  (2009,154,2300)
37, 13      720.900   6057.000    3.2088E+00  (2009,154,2300)
37, 14      720.900   6057.100    3.6609E+00  (2009,154,2300)
37, 15      720.900   6057.200    4.2605E+00  (2009,154,2300)
37, 16      720.900   6057.300    5.0584E+00  (2009,154,2300)
37, 17      720.900   6057.400    6.1003E+00  (2009,154,2300)
37, 18      720.900   6057.500    7.4127E+00  (2009,154,2300)
37, 19      720.900   6057.600    8.9729E+00  (2009,154,2300)
37, 20      720.900   6057.700    1.1075E+01  (2009,226,2300)
37, 21      720.900   6057.800    1.3835E+01  (2009,226,2300)
37, 22      720.900   6057.900    1.6163E+01  (2009,226,2300)
37, 23      720.900   6058.000    1.7591E+01  (2009,226,2300)
37, 24      720.900   6058.100    1.6284E+01  (2009,216,2300)
37, 25      720.900   6058.200    1.2638E+01  (2009,216,2300)
37, 26      720.900   6058.300    1.2209E+01  (2009,224,2300)
37, 27      720.900   6058.400    1.0947E+01  (2009,224,2300)
37, 28      720.900   6058.500    9.5760E+00  (2009,224,2300)
37, 29      720.900   6058.600    8.6620E+00  (2009,209,2300)
37, 30      720.900   6058.700    7.5338E+00  (2009,209,2300)
37, 31      720.900   6058.800    7.8145E+00  (2009,231,2300)
37, 32      720.900   6058.900    7.9011E+00  (2009,174,2300)
37, 33      720.900   6059.000    7.8663E+00  (2009,174,2300)
37, 34      720.900   6059.100    7.6604E+00  (2009,222,2300)
37, 35      720.900   6059.200    8.8198E+00  (2009,222,2300)
37, 36      720.900   6059.300    9.6071E+00  (2009,222,2300)
37, 37      720.900   6059.400    9.7604E+00  (2009,222,2300)
37, 38      720.900   6059.500    9.1841E+00  (2009,222,2300)
37, 39      720.900   6059.600    8.2060E+00  (2009,222,2300)
37, 40      720.900   6059.700    7.2009E+00  (2009,222,2300)
37, 41      720.900   6059.800    7.0165E+00  (2009,166,2300)
37, 42      720.900   6059.900    6.9898E+00  (2009,166,2300)
37, 43      720.900   6060.000    6.8244E+00  (2009,166,2300)
37, 44      720.900   6060.100    6.5495E+00  (2009,166,2300)
37, 45      720.900   6060.200    6.2143E+00  (2009,166,2300)
37, 46      720.900   6060.300    5.8603E+00  (2009,166,2300)
37, 47      720.900   6060.400    5.5042E+00  (2009,166,2300)
37, 48      720.900   6060.500    5.1216E+00  (2009,166,2300)
37, 49      720.900   6060.600    5.0471E+00  (2009,289,2300)
37, 50      720.900   6060.700    5.1122E+00  (2009,289,2300)
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37, 51      720.900   6060.800     5.1119E+00 (2009,289,2300)
38,  1      721.000   6055.800     1.0755E+00 (2009,154,2300)
38,  2      721.000   6055.900     1.1662E+00 (2009,154,2300)
38,  3      721.000   6056.000     1.2624E+00 (2009,154,2300)
38,  4      721.000   6056.100     1.3668E+00 (2009,154,2300)
38,  5      721.000   6056.200     1.4797E+00 (2009,154,2300)
38,  6      721.000   6056.300     1.5994E+00 (2009,154,2300)
38,  7      721.000   6056.400     1.7287E+00 (2009,154,2300)
38,  8      721.000   6056.500     1.8690E+00 (2009,154,2300)
38,  9      721.000   6056.600     2.0259E+00 (2009,154,2300)
38, 10      721.000   6056.700     2.2021E+00 (2009,154,2300)
38, 11      721.000   6056.800     2.4142E+00 (2009,154,2300)
38, 12      721.000   6056.900     2.6685E+00 (2009,154,2300)
38, 13      721.000   6057.000     2.9910E+00 (2009,154,2300)
38, 14      721.000   6057.100     3.4117E+00 (2009,154,2300)
38, 15      721.000   6057.200     3.9678E+00 (2009,154,2300)
38, 16      721.000   6057.300     4.6981E+00 (2009,154,2300)
38, 17      721.000   6057.400     5.6449E+00 (2009,154,2300)
38, 18      721.000   6057.500     6.8312E+00 (2009,154,2300)
38, 19      721.000   6057.600     8.2431E+00 (2009,154,2300)
38, 20      721.000   6057.700     9.8854E+00 (2009,226,2300)
38, 21      721.000   6057.800     1.2280E+01 (2009,226,2300)
38, 22      721.000   6057.900     1.4950E+01 (2009,216,2300)
38, 23      721.000   6058.000     1.6783E+01 (2009,216,2300)
38, 24      721.000   6058.100     1.5288E+01 (2009,216,2300)
38, 25      721.000   6058.200     1.1511E+01 (2009,216,2300)
38, 26      721.000   6058.300     1.1226E+01 (2009,224,2300)
38, 27      721.000   6058.400     1.0117E+01 (2009,224,2300)
38, 28      721.000   6058.500     8.7019E+00 (2009,224,2300)
38, 29      721.000   6058.600     8.3498E+00 (2009,209,2300)
38, 30      721.000   6058.700     7.4834E+00 (2009,209,2300)
38, 31      721.000   6058.800     7.2307E+00 (2009,231,2300)
38, 32      721.000   6058.900     7.2979E+00 (2009,174,2300)
38, 33      721.000   6059.000     7.5731E+00 (2009,174,2300)
38, 34      721.000   6059.100     7.3456E+00 (2009,174,2300)
38, 35      721.000   6059.200     7.4760E+00 (2009,222,2300)
38, 36      721.000   6059.300     8.4401E+00 (2009,222,2300)
38, 37      721.000   6059.400     8.9796E+00 (2009,222,2300)
38, 38      721.000   6059.500     8.9195E+00 (2009,222,2300)
38, 39      721.000   6059.600     8.3314E+00 (2009,222,2300)
38, 40      721.000   6059.700     7.5066E+00 (2009,222,2300)
38, 41      721.000   6059.800     6.6647E+00 (2009,222,2300)
38, 42      721.000   6059.900     6.2186E+00 (2009,166,2300)
38, 43      721.000   6060.000     6.2676E+00 (2009,166,2300)
38, 44      721.000   6060.100     6.2098E+00 (2009,166,2300)
38, 45      721.000   6060.200     6.0487E+00 (2009,166,2300)
38, 46      721.000   6060.300     5.8176E+00 (2009,166,2300)
38, 47      721.000   6060.400     5.5472E+00 (2009,166,2300)
38, 48      721.000   6060.500     5.2528E+00 (2009,166,2300)
38, 49      721.000   6060.600     4.9352E+00 (2009,166,2300)
38, 50      721.000   6060.700     4.5730E+00 (2009,166,2300)
38, 51      721.000   6060.800     4.4956E+00 (2009,289,2300)
39,  1      721.100   6055.800     1.0324E+00 (2009,154,2300)
39,  2      721.100   6055.900     1.1140E+00 (2009,154,2300)
39,  3      721.100   6056.000     1.2011E+00 (2009,154,2300)
39,  4      721.100   6056.100     1.2946E+00 (2009,154,2300)
39,  5      721.100   6056.200     1.3945E+00 (2009,154,2300)
39,  6      721.100   6056.300     1.5025E+00 (2009,154,2300)
39,  7      721.100   6056.400     1.6188E+00 (2009,154,2300)
39,  8      721.100   6056.500     1.7471E+00 (2009,154,2300)
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39,  9      721.100   6056.600    1.8906E+00  (2009,154,2300)
39, 10      721.100   6056.700    2.0536E+00  (2009,154,2300)
39, 11      721.100   6056.800    2.2517E+00  (2009,154,2300)
39, 12      721.100   6056.900    2.4973E+00  (2009,154,2300)
39, 13      721.100   6057.000    2.8065E+00  (2009,154,2300)
39, 14      721.100   6057.100    3.2005E+00  (2009,154,2300)
39, 15      721.100   6057.200    3.7167E+00  (2009,154,2300)
39, 16      721.100   6057.300    4.3943E+00  (2009,154,2300)
39, 17      721.100   6057.400    5.2641E+00  (2009,154,2300)
39, 18      721.100   6057.500    6.3418E+00  (2009,154,2300)
39, 19      721.100   6057.600    7.6210E+00  (2009,154,2300)
39, 20      721.100   6057.700    9.5511E+00  (2009,216,2300)
39, 21      721.100   6057.800    1.2035E+01  (2009,216,2300)
39, 22      721.100   6057.900    1.4589E+01  (2009,216,2300)
39, 23      721.100   6058.000    1.6123E+01  (2009,216,2300)
39, 24      721.100   6058.100    1.4334E+01  (2009,216,2300)
39, 25      721.100   6058.200    1.0450E+01  (2009,216,2300)
39, 26      721.100   6058.300    1.0290E+01  (2009,224,2300)
39, 27      721.100   6058.400    9.3355E+00  (2009,224,2300)
39, 28      721.100   6058.500    7.9400E+00  (2009,224,2300)
39, 29      721.100   6058.600    8.1033E+00  (2009,209,2300)
39, 30      721.100   6058.700    7.4527E+00  (2009,209,2300)
39, 31      721.100   6058.800    6.6745E+00  (2009,231,2300)
39, 32      721.100   6058.900    6.8481E+00  (2009,231,2300)
39, 33      721.100   6059.000    7.1208E+00  (2009,174,2300)
39, 34      721.100   6059.100    7.1471E+00  (2009,174,2300)
39, 35      721.100   6059.200    6.8852E+00  (2009,174,2300)
39, 36      721.100   6059.300    7.2386E+00  (2009,222,2300)
39, 37      721.100   6059.400    7.9977E+00  (2009,222,2300)
39, 38      721.100   6059.500    8.3168E+00  (2009,222,2300)
39, 39      721.100   6059.600    8.1315E+00  (2009,222,2300)
39, 40      721.100   6059.700    7.6013E+00  (2009,222,2300)
39, 41      721.100   6059.800    6.9215E+00  (2009,222,2300)
39, 42      721.100   6059.900    6.2036E+00  (2009,222,2300)
39, 43      721.100   6060.000    5.6367E+00  (2009,145,2300)
39, 44      721.100   6060.100    5.6184E+00  (2009,166,2300)
39, 45      721.100   6060.200    5.6329E+00  (2009,166,2300)
39, 46      721.100   6060.300    5.5599E+00  (2009,166,2300)
39, 47      721.100   6060.400    5.4153E+00  (2009,166,2300)
39, 48      721.100   6060.500    5.2221E+00  (2009,166,2300)
39, 49      721.100   6060.600    4.9933E+00  (2009,166,2300)
39, 50      721.100   6060.700    4.7334E+00  (2009,166,2300)
39, 51      721.100   6060.800    4.4358E+00  (2009,166,2300)
40,  1      721.200   6055.800    9.9110E-01  (2009,154,2300)
40,  2      721.200   6055.900    1.0642E+00  (2009,154,2300)
40,  3      721.200   6056.000    1.1420E+00  (2009,154,2300)
40,  4      721.200   6056.100    1.2250E+00  (2009,154,2300)
40,  5      721.200   6056.200    1.3135E+00  (2009,154,2300)
40,  6      721.200   6056.300    1.4097E+00  (2009,154,2300)
40,  7      721.200   6056.400    1.5144E+00  (2009,154,2300)
40,  8      721.200   6056.500    1.6298E+00  (2009,154,2300)
40,  9      721.200   6056.600    1.7798E+00  (2009,216,2300)
40, 10      721.200   6056.700    2.0020E+00  (2009,216,2300)
40, 11      721.200   6056.800    2.2362E+00  (2009,216,2300)
40, 12      721.200   6056.900    2.4814E+00  (2009,216,2300)
40, 13      721.200   6057.000    2.7528E+00  (2009,216,2300)
40, 14      721.200   6057.100    3.0664E+00  (2009,216,2300)
40, 15      721.200   6057.200    3.5043E+00  (2009,154,2300)
40, 16      721.200   6057.300    4.1271E+00  (2009,154,2300)
40, 17      721.200   6057.400    4.9269E+00  (2009,154,2300)
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40, 18      721.200   6057.500   5.9462E+00  (2009,216,2300)
40, 19      721.200   6057.600   7.4933E+00  (2009,216,2300)
40, 20      721.200   6057.700   9.3546E+00  (2009,216,2300)
40, 21      721.200   6057.800   1.1135E+01  (2009,216,2300)
40, 22      721.200   6057.900   1.3020E+01  (2009,216,2300)
40, 23      721.200   6058.000   1.4326E+01  (2009,216,2300)
40, 24      721.200   6058.100   1.2826E+01  (2009,216,2300)
40, 25      721.200   6058.200   9.7747E+00  (2009,216,2300)
40, 26      721.200   6058.300   9.4850E+00  (2009,224,2300)
40, 27      721.200   6058.400   8.5980E+00  (2009,224,2300)
40, 28      721.200   6058.500   7.3187E+00  (2009,209,2300)
40, 29      721.200   6058.600   7.8018E+00  (2009,209,2300)
40, 30      721.200   6058.700   7.3288E+00  (2009,209,2300)
40, 31      721.200   6058.800   6.2748E+00  (2009,209,2300)
40, 32      721.200   6058.900   6.4085E+00  (2009,231,2300)
40, 33      721.200   6059.000   6.6347E+00  (2009,174,2300)
40, 34      721.200   6059.100   6.8584E+00  (2009,174,2300)
40, 35      721.200   6059.200   6.7297E+00  (2009,174,2300)
40, 36      721.200   6059.300   6.3600E+00  (2009,174,2300)
40, 37      721.200   6059.400   6.9304E+00  (2009,222,2300)
40, 38      721.200   6059.500   7.4927E+00  (2009,222,2300)
40, 39      721.200   6059.600   7.6587E+00  (2009,222,2300)
40, 40      721.200   6059.700   7.4464E+00  (2009,222,2300)
40, 41      721.200   6059.800   6.9931E+00  (2009,222,2300)
40, 42      721.200   6059.900   6.4197E+00  (2009,222,2300)
40, 43      721.200   6060.000   5.7954E+00  (2009,222,2300)
40, 44      721.200   6060.100   5.2477E+00  (2009,145,2300)
40, 45      721.200   6060.200   5.0340E+00  (2009,166,2300)
40, 46      721.200   6060.300   5.0965E+00  (2009,166,2300)
40, 47      721.200   6060.400   5.0883E+00  (2009,166,2300)
40, 48      721.200   6060.500   5.0147E+00  (2009,166,2300)
40, 49      721.200   6060.600   4.8893E+00  (2009,166,2300)
40, 50      721.200   6060.700   4.7237E+00  (2009,166,2300)
40, 51      721.200   6060.800   4.5198E+00  (2009,166,2300)
41,  1      721.300   6055.800   9.4877E-01  (2009,154,2300)
41,  2      721.300   6055.900   1.0138E+00  (2009,154,2300)
41,  3      721.300   6056.000   1.0826E+00  (2009,154,2300)
41,  4      721.300   6056.100   1.1558E+00  (2009,154,2300)
41,  5      721.300   6056.200   1.2339E+00  (2009,154,2300)
41,  6      721.300   6056.300   1.3185E+00  (2009,154,2300)
41,  7      721.300   6056.400   1.4492E+00  (2009,216,2300)
41,  8      721.300   6056.500   1.6355E+00  (2009,216,2300)
41,  9      721.300   6056.600   1.8370E+00  (2009,216,2300)
41, 10      721.300   6056.700   2.0505E+00  (2009,216,2300)
41, 11      721.300   6056.800   2.2759E+00  (2009,216,2300)
41, 12      721.300   6056.900   2.5217E+00  (2009,216,2300)
41, 13      721.300   6057.000   2.8001E+00  (2009,216,2300)
41, 14      721.300   6057.100   3.1372E+00  (2009,216,2300)
41, 15      721.300   6057.200   3.5778E+00  (2009,216,2300)
41, 16      721.300   6057.300   4.1774E+00  (2009,216,2300)
41, 17      721.300   6057.400   4.9954E+00  (2009,216,2300)
41, 18      721.300   6057.500   6.0623E+00  (2009,216,2300)
41, 19      721.300   6057.600   7.3244E+00  (2009,216,2300)
41, 20      721.300   6057.700   8.5875E+00  (2009,216,2300)
41, 21      721.300   6057.800   9.5405E+00  (2009,216,2300)
41, 22      721.300   6057.900   1.1178E+01  (2009,216,2300)
41, 23      721.300   6058.000   1.2481E+01  (2009,216,2300)
41, 24      721.300   6058.100   1.1341E+01  (2009,216,2300)
41, 25      721.300   6058.200   9.1344E+00  (2009,216,2300)
41, 26      721.300   6058.300   8.7794E+00  (2009,216,2300)
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41, 27      721.300    6058.400    7.9330E+00  (2009,224,2300)
41, 28      721.300    6058.500    6.9769E+00  (2009,209,2300)
41, 29      721.300    6058.600    7.5320E+00  (2009,209,2300)
41, 30      721.300    6058.700    7.2250E+00  (2009,209,2300)
41, 31      721.300    6058.800    6.3179E+00  (2009,209,2300)
41, 32      721.300    6058.900    5.9824E+00  (2009,231,2300)
41, 33      721.300    6059.000    6.0900E+00  (2009,174,2300)
41, 34      721.300    6059.100    6.4831E+00  (2009,174,2300)
41, 35      721.300    6059.200    6.5263E+00  (2009,174,2300)
41, 36      721.300    6059.300    6.2632E+00  (2009,174,2300)
41, 37      721.300    6059.400    5.9101E+00  (2009,222,2300)
41, 38      721.300    6059.500    6.5784E+00  (2009,222,2300)
41, 39      721.300    6059.600    6.9747E+00  (2009,222,2300)
41, 40      721.300    6059.700    7.0513E+00  (2009,222,2300)
41, 41      721.300    6059.800    6.8576E+00  (2009,222,2300)
41, 42      721.300    6059.900    6.4779E+00  (2009,222,2300)
41, 43      721.300    6060.000    5.9830E+00  (2009,222,2300)
41, 44      721.300    6060.100    5.4272E+00  (2009,222,2300)
41, 45      721.300    6060.200    4.8988E+00  (2009,145,2300)
41, 46      721.300    6060.300    4.5853E+00  (2009,145,2300)
41, 47      721.300    6060.400    4.6027E+00  (2009,166,2300)
41, 48      721.300    6060.500    4.6416E+00  (2009,166,2300)
41, 49      721.300    6060.600    4.6239E+00  (2009,166,2300)
41, 50      721.300    6060.700    4.5546E+00  (2009,166,2300)
41, 51      721.300    6060.800    4.4451E+00  (2009,166,2300)
42,  1      721.400    6055.800    9.0527E-01  (2009,154,2300)
42,  2      721.400    6055.900    9.6222E-01  (2009,154,2300)
42,  3      721.400    6056.000    1.0220E+00  (2009,154,2300)
42,  4      721.400    6056.100    1.0855E+00  (2009,154,2300)
42,  5      721.400    6056.200    1.1799E+00  (2009,216,2300)
42,  6      721.400    6056.300    1.3298E+00  (2009,216,2300)
42,  7      721.400    6056.400    1.4946E+00  (2009,216,2300)
42,  8      721.400    6056.500    1.6740E+00  (2009,216,2300)
42,  9      721.400    6056.600    1.8673E+00  (2009,216,2300)
42, 10      721.400    6056.700    2.0744E+00  (2009,216,2300)
42, 11      721.400    6056.800    2.2969E+00  (2009,216,2300)
42, 12      721.400    6056.900    2.5466E+00  (2009,216,2300)
42, 13      721.400    6057.000    2.8335E+00  (2009,216,2300)
42, 14      721.400    6057.100    3.1981E+00  (2009,216,2300)
42, 15      721.400    6057.200    3.6753E+00  (2009,216,2300)
42, 16      721.400    6057.300    4.3057E+00  (2009,216,2300)
42, 17      721.400    6057.400    5.1330E+00  (2009,216,2300)
42, 18      721.400    6057.500    6.2369E+00  (2009,216,2300)
42, 19      721.400    6057.600    7.6382E+00  (2009,216,2300)
42, 20      721.400    6057.700    9.3456E+00  (2009,216,2300)
42, 21      721.400    6057.800    1.1058E+01  (2009,216,2300)
42, 22      721.400    6057.900    1.2150E+01  (2009,216,2300)
42, 23      721.400    6058.000    1.2501E+01  (2009,216,2300)
42, 24      721.400    6058.100    1.1146E+01  (2009,216,2300)
42, 25      721.400    6058.200    8.7844E+00  (2009,216,2300)
42, 26      721.400    6058.300    8.3862E+00  (2009,216,2300)
42, 27      721.400    6058.400    7.4259E+00  (2009,216,2300)
42, 28      721.400    6058.500    6.6356E+00  (2009,209,2300)
42, 29      721.400    6058.600    7.2411E+00  (2009,209,2300)
42, 30      721.400    6058.700    7.0742E+00  (2009,209,2300)
42, 31      721.400    6058.800    6.3151E+00  (2009,209,2300)
42, 32      721.400    6058.900    5.5794E+00  (2009,231,2300)
42, 33      721.400    6059.000    5.6852E+00  (2009,231,2300)
42, 34      721.400    6059.100    6.0678E+00  (2009,174,2300)
42, 35      721.400    6059.200    6.2485E+00  (2009,174,2300)
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42, 36      721.400   6059.300    6.1073E+00  (2009,174,2300)
42, 37      721.400   6059.400    5.7313E+00  (2009,174,2300)
42, 38      721.400   6059.500    5.6720E+00  (2009,222,2300)
42, 39      721.400   6059.600    6.1976E+00  (2009,222,2300)
42, 40      721.400   6059.700    6.4858E+00  (2009,222,2300)
42, 41      721.400   6059.800    6.5245E+00  (2009,222,2300)
42, 42      721.400   6059.900    6.3562E+00  (2009,222,2300)
42, 43      721.400   6060.000    6.0309E+00  (2009,222,2300)
42, 44      721.400   6060.100    5.5940E+00  (2009,222,2300)
42, 45      721.400   6060.200    5.0937E+00  (2009,222,2300)
42, 46      721.400   6060.300    4.5804E+00  (2009,145,2300)
42, 47      721.400   6060.400    4.2897E+00  (2009,145,2300)
42, 48      721.400   6060.500    4.1540E+00  (2009,166,2300)
42, 49      721.400   6060.600    4.2223E+00  (2009,166,2300)
42, 50      721.400   6060.700    4.2465E+00  (2009,166,2300)
42, 51      721.400   6060.800    4.2249E+00  (2009,166,2300)
43,  1      721.500   6055.800    8.6058E-01  (2009,119,2300)
43,  2      721.500   6055.900    9.0875E-01  (2009,154,2300)
43,  3      721.500   6056.000    9.6608E-01  (2009,216,2300)
43,  4      721.500   6056.100    1.0856E+00  (2009,216,2300)
43,  5      721.500   6056.200    1.2165E+00  (2009,216,2300)
43,  6      721.500   6056.300    1.3596E+00  (2009,216,2300)
43,  7      721.500   6056.400    1.5161E+00  (2009,216,2300)
43,  8      721.500   6056.500    1.6871E+00  (2009,216,2300)
43,  9      721.500   6056.600    1.9124E+00  (2009,217,2300)
43, 10      721.500   6056.700    2.1775E+00  (2009,217,2300)
43, 11      721.500   6056.800    2.4674E+00  (2009,217,2300)
43, 12      721.500   6056.900    2.7781E+00  (2009,217,2300)
43, 13      721.500   6057.000    3.1094E+00  (2009,217,2300)
43, 14      721.500   6057.100    3.4808E+00  (2009,217,2300)
43, 15      721.500   6057.200    3.9056E+00  (2009,217,2300)
43, 16      721.500   6057.300    4.3765E+00  (2009,217,2300)
43, 17      721.500   6057.400    5.1560E+00  (2009,216,2300)
43, 18      721.500   6057.500    6.3277E+00  (2009,216,2300)
43, 19      721.500   6057.600    7.8571E+00  (2009,216,2300)
43, 20      721.500   6057.700    9.8377E+00  (2009,216,2300)
43, 21      721.500   6057.800    1.2133E+01  (2009,216,2300)
43, 22      721.500   6057.900    1.2953E+01  (2009,216,2300)
43, 23      721.500   6058.000    1.2428E+01  (2009,216,2300)
43, 24      721.500   6058.100    1.0887E+01  (2009,216,2300)
43, 25      721.500   6058.200    8.4090E+00  (2009,216,2300)
43, 26      721.500   6058.300    7.9878E+00  (2009,216,2300)
43, 27      721.500   6058.400    7.0670E+00  (2009,216,2300)
43, 28      721.500   6058.500    6.3113E+00  (2009,209,2300)
43, 29      721.500   6058.600    6.9632E+00  (2009,209,2300)
43, 30      721.500   6058.700    6.9242E+00  (2009,209,2300)
43, 31      721.500   6058.800    6.2989E+00  (2009,209,2300)
43, 32      721.500   6058.900    5.4437E+00  (2009,209,2300)
43, 33      721.500   6059.000    5.3569E+00  (2009,231,2300)
43, 34      721.500   6059.100    5.6075E+00  (2009,174,2300)
43, 35      721.500   6059.200    5.9214E+00  (2009,174,2300)
43, 36      721.500   6059.300    5.9152E+00  (2009,174,2300)
43, 37      721.500   6059.400    5.6324E+00  (2009,174,2300)
43, 38      721.500   6059.500    5.2342E+00  (2009,174,2300)
43, 39      721.500   6059.600    5.4050E+00  (2009,222,2300)
43, 40      721.500   6059.700    5.8169E+00  (2009,222,2300)
43, 41      721.500   6059.800    6.0394E+00  (2009,222,2300)
43, 42      721.500   6059.900    6.0693E+00  (2009,222,2300)
43, 43      721.500   6060.000    5.9230E+00  (2009,222,2300)
43, 44      721.500   6060.100    5.6349E+00  (2009,222,2300)
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43,  45      721.500    6060.200    5.2437E+00  (2009,222,2300)
43,  46      721.500    6060.300    4.7841E+00  (2009,222,2300)
43,  47      721.500    6060.400    4.2918E+00  (2009,145,2300)
43,  48      721.500    6060.500    4.0230E+00  (2009,145,2300)
43,  49      721.500    6060.600    3.8051E+00  (2009,326,2300)
43,  50      721.500    6060.700    3.8370E+00  (2009,166,2300)
43,  51      721.500    6060.800    3.8893E+00  (2009,166,2300)
44,   1      721.600    6055.800    8.2560E-01  (2009,119,2300)
44,   2      721.600    6055.900    8.9107E-01  (2009,216,2300)
44,   3      721.600    6056.000    9.9569E-01  (2009,216,2300)
44,   4      721.600    6056.100    1.1102E+00  (2009,216,2300)
44,   5      721.600    6056.200    1.2353E+00  (2009,216,2300)
44,   6      721.600    6056.300    1.3757E+00  (2009,213,2300)
44,   7      721.600    6056.400    1.5575E+00  (2009,217,2300)
44,   8      721.600    6056.500    1.7946E+00  (2009,217,2300)
44,   9      721.600    6056.600    2.0625E+00  (2009,217,2300)
44,  10      721.600    6056.700    2.3578E+00  (2009,217,2300)
44,  11      721.600    6056.800    2.6793E+00  (2009,217,2300)
44,  12      721.600    6056.900    3.0247E+00  (2009,217,2300)
44,  13      721.600    6057.000    3.3808E+00  (2009,217,2300)
44,  14      721.600    6057.100    3.7645E+00  (2009,217,2300)
44,  15      721.600    6057.200    4.1967E+00  (2009,217,2300)
44,  16      721.600    6057.300    4.6727E+00  (2009,217,2300)
44,  17      721.600    6057.400    5.3153E+00  (2009,216,2300)
44,  18      721.600    6057.500    6.6470E+00  (2009,216,2300)
44,  19      721.600    6057.600    8.3536E+00  (2009,216,2300)
44,  20      721.600    6057.700    1.0343E+01  (2009,216,2300)
44,  21      721.600    6057.800    1.2568E+01  (2009,216,2300)
44,  22      721.600    6057.900    1.4091E+01  (2009,216,2300)
44,  23      721.600    6058.000    1.2870E+01  (2009,216,2300)
44,  24      721.600    6058.100    1.0925E+01  (2009,216,2300)
44,  25      721.600    6058.200    8.0050E+00  (2009,216,2300)
44,  26      721.600    6058.300    7.5835E+00  (2009,216,2300)
44,  27      721.600    6058.400    6.7147E+00  (2009,216,2300)
44,  28      721.600    6058.500    5.9968E+00  (2009,209,2300)
44,  29      721.600    6058.600    6.6843E+00  (2009,209,2300)
44,  30      721.600    6058.700    6.7516E+00  (2009,209,2300)
44,  31      721.600    6058.800    6.2484E+00  (2009,209,2300)
44,  32      721.600    6058.900    5.4463E+00  (2009,209,2300)
44,  33      721.600    6059.000    5.0389E+00  (2009,231,2300)
44,  34      721.600    6059.100    5.1381E+00  (2009,174,2300)
44,  35      721.600    6059.200    5.5535E+00  (2009,174,2300)
44,  36      721.600    6059.300    5.6652E+00  (2009,174,2300)
44,  37      721.600    6059.400    5.4971E+00  (2009,174,2300)
44,  38      721.600    6059.500    5.1643E+00  (2009,174,2300)
44,  39      721.600    6059.600    4.8001E+00  (2009,174,2300)
44,  40      721.600    6059.700    5.1273E+00  (2009,222,2300)
44,  41      721.600    6059.800    5.4651E+00  (2009,222,2300)
44,  42      721.600    6059.900    5.6473E+00  (2009,222,2300)
44,  43      721.600    6060.000    5.6704E+00  (2009,222,2300)
44,  44      721.600    6060.100    5.5415E+00  (2009,222,2300)
44,  45      721.600    6060.200    5.2799E+00  (2009,222,2300)
44,  46      721.600    6060.300    4.9241E+00  (2009,222,2300)
44,  47      721.600    6060.400    4.5007E+00  (2009,222,2300)
44,  48      721.600    6060.500    4.0276E+00  (2009,145,2300)
44,  49      721.600    6060.600    3.7798E+00  (2009,145,2300)
44,  50      721.600    6060.700    3.5845E+00  (2009,326,2300)
44,  51      721.600    6060.800    3.4824E+00  (2009,166,2300)
45,   1      721.700    6055.800    8.2049E-01  (2009,216,2300)
45,   2      721.700    6055.900    9.1135E-01  (2009,216,2300)
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45,   3      721.700   6056.000      1.0107E+00  (2009,216,2300)
45,   4      721.700   6056.100      1.1419E+00  (2009,213,2300)
45,   5      721.700   6056.200      1.3065E+00  (2009,213,2300)
45,   6      721.700   6056.300      1.4531E+00  (2009,213,2300)
45,   7      721.700   6056.400      1.6444E+00  (2009,217,2300)
45,   8      721.700   6056.500      1.9022E+00  (2009,217,2300)
45,   9      721.700   6056.600      2.1870E+00  (2009,217,2300)
45,  10      721.700   6056.700      2.4918E+00  (2009,217,2300)
45,  11      721.700   6056.800      2.8147E+00  (2009,217,2300)
45,  12      721.700   6056.900      3.1614E+00  (2009,217,2300)
45,  13      721.700   6057.000      3.5163E+00  (2009,217,2300)
45,  14      721.700   6057.100      3.8838E+00  (2009,217,2300)
45,  15      721.700   6057.200      4.2817E+00  (2009,217,2300)
45,  16      721.700   6057.300      4.7174E+00  (2009,217,2300)
45,  17      721.700   6057.400      5.3252E+00  (2009,216,2300)
45,  18      721.700   6057.500      6.6160E+00  (2009,216,2300)
45,  19      721.700   6057.600      8.2106E+00  (2009,216,2300)
45,  20      721.700   6057.700      1.0126E+01  (2009,216,2300)
45,  21      721.700   6057.800      1.2264E+01  (2009,216,2300)
45,  22      721.700   6057.900      1.4010E+01  (2009,216,2300)
45,  23      721.700   6058.000      1.3084E+01  (2009,216,2300)
45,  24      721.700   6058.100      1.0831E+01  (2009,216,2300)
45,  25      721.700   6058.200      7.5662E+00  (2009,216,2300)
45,  26      721.700   6058.300      7.1638E+00  (2009,216,2300)
45,  27      721.700   6058.400      6.3608E+00  (2009,216,2300)
45,  28      721.700   6058.500      5.6986E+00  (2009,209,2300)
45,  29      721.700   6058.600      6.4125E+00  (2009,209,2300)
45,  30      721.700   6058.700      6.5719E+00  (2009,209,2300)
45,  31      721.700   6058.800      6.1796E+00  (2009,209,2300)
45,  32      721.700   6058.900      5.4414E+00  (2009,209,2300)
45,  33      721.700   6059.000      4.7384E+00  (2009,231,2300)
45,  34      721.700   6059.100      4.7873E+00  (2009,231,2300)
45,  35      721.700   6059.200      5.1629E+00  (2009,174,2300)
45,  36      721.700   6059.300      5.3882E+00  (2009,174,2300)
45,  37      721.700   6059.400      5.3331E+00  (2009,174,2300)
45,  38      721.700   6059.500      5.0774E+00  (2009,174,2300)
45,  39      721.700   6059.600      4.7454E+00  (2009,174,2300)
45,  40      721.700   6059.700      4.4631E+00  (2009,222,2300)
45,  41      721.700   6059.800      4.8555E+00  (2009,222,2300)
45,  42      721.700   6059.900      5.1432E+00  (2009,222,2300)
45,  43      721.700   6060.000      5.3036E+00  (2009,222,2300)
45,  44      721.700   6060.100      5.3203E+00  (2009,222,2300)
45,  45      721.700   6060.200      5.1990E+00  (2009,222,2300)
45,  46      721.700   6060.300      4.9610E+00  (2009,222,2300)
45,  47      721.700   6060.400      4.6331E+00  (2009,222,2300)
45,  48      721.700   6060.500      4.2408E+00  (2009,222,2300)
45,  49      721.700   6060.600      3.7964E+00  (2009,222,2300)
45,  50      721.700   6060.700      3.5588E+00  (2009,145,2300)
45,  51      721.700   6060.800      3.3802E+00  (2009,326,2300)
46,   1      721.800   6055.800      8.3480E-01  (2009,216,2300)
46,   2      721.800   6055.900      9.3798E-01  (2009,213,2300)
46,   3      721.800   6056.000      1.0932E+00  (2009,213,2300)
46,   4      721.800   6056.100      1.2412E+00  (2009,213,2300)
46,   5      721.800   6056.200      1.3727E+00  (2009,213,2300)
46,   6      721.800   6056.300      1.4789E+00  (2009,213,2300)
46,   7      721.800   6056.400      1.7066E+00  (2009,217,2300)
46,   8      721.800   6056.500      1.9675E+00  (2009,217,2300)
46,   9      721.800   6056.600      2.2507E+00  (2009,217,2300)
46,  10      721.800   6056.700      2.5462E+00  (2009,217,2300)
46,  11      721.800   6056.800      2.8480E+00  (2009,217,2300)
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46, 12      721.800   6056.900    3.1598E+00 (2009,217,2300)
46, 13      721.800   6057.000    3.4748E+00 (2009,217,2300)
46, 14      721.800   6057.100    3.7992E+00 (2009,217,2300)
46, 15      721.800   6057.200    4.1399E+00 (2009,217,2300)
46, 16      721.800   6057.300    4.5066E+00 (2009,217,2300)
46, 17      721.800   6057.400    5.2008E+00 (2009,216,2300)
46, 18      721.800   6057.500    6.3879E+00 (2009,216,2300)
46, 19      721.800   6057.600    7.8787E+00 (2009,216,2300)
46, 20      721.800   6057.700    9.6535E+00 (2009,216,2300)
46, 21      721.800   6057.800    1.1607E+01 (2009,216,2300)
46, 22      721.800   6057.900    1.3429E+01 (2009,216,2300)
46, 23      721.800   6058.000    1.3371E+01 (2009,216,2300)
46, 24      721.800   6058.100    1.0829E+01 (2009,216,2300)
46, 25      721.800   6058.200    7.0977E+00 (2009,216,2300)
46, 26      721.800   6058.300    6.7305E+00 (2009,216,2300)
46, 27      721.800   6058.400    5.9990E+00 (2009,216,2300)
46, 28      721.800   6058.500    5.4159E+00 (2009,209,2300)
46, 29      721.800   6058.600    6.1494E+00 (2009,209,2300)
46, 30      721.800   6058.700    6.3814E+00 (2009,209,2300)
46, 31      721.800   6058.800    6.0877E+00 (2009,209,2300)
46, 32      721.800   6058.900    5.4182E+00 (2009,209,2300)
46, 33      721.800   6059.000    4.6179E+00 (2009,209,2300)
46, 34      721.800   6059.100    4.5403E+00 (2009,231,2300)
46, 35      721.800   6059.200    4.7641E+00 (2009,174,2300)
46, 36      721.800   6059.300    5.0794E+00 (2009,174,2300)
46, 37      721.800   6059.400    5.1305E+00 (2009,174,2300)
46, 38      721.800   6059.500    4.9674E+00 (2009,174,2300)
46, 39      721.800   6059.600    4.6901E+00 (2009,174,2300)
46, 40      721.800   6059.700    4.3732E+00 (2009,174,2300)
46, 41      721.800   6059.800    4.2618E+00 (2009,222,2300)
46, 42      721.800   6059.900    4.6030E+00 (2009,222,2300)
46, 43      721.800   6060.000    4.8555E+00 (2009,222,2300)
46, 44      721.800   6060.100    4.9949E+00 (2009,222,2300)
46, 45      721.800   6060.200    5.0072E+00 (2009,222,2300)
46, 46      721.800   6060.300    4.8924E+00 (2009,222,2300)
46, 47      721.800   6060.400    4.6725E+00 (2009,222,2300)
46, 48      721.800   6060.500    4.3712E+00 (2009,222,2300)
46, 49      721.800   6060.600    4.0049E+00 (2009,222,2300)
46, 50      721.800   6060.700    3.5890E+00 (2009,222,2300)
46, 51      721.800   6060.800    3.3573E+00 (2009,145,2300)
47,  1      721.900   6055.800    9.0640E-01 (2009,213,2300)
47,  2      721.900   6055.900    1.0467E+00 (2009,213,2300)
47,  3      721.900   6056.000    1.1796E+00 (2009,213,2300)
47,  4      721.900   6056.100    1.2971E+00 (2009,213,2300)
47,  5      721.900   6056.200    1.3928E+00 (2009,213,2300)
47,  6      721.900   6056.300    1.5018E+00 (2009,217,2300)
47,  7      721.900   6056.400    1.7268E+00 (2009,217,2300)
47,  8      721.900   6056.500    1.9723E+00 (2009,217,2300)
47,  9      721.900   6056.600    2.2318E+00 (2009,217,2300)
47, 10      721.900   6056.700    2.4966E+00 (2009,217,2300)
47, 11      721.900   6056.800    2.7585E+00 (2009,217,2300)
47, 12      721.900   6056.900    3.0182E+00 (2009,217,2300)
47, 13      721.900   6057.000    3.2678E+00 (2009,217,2300)
47, 14      721.900   6057.100    3.5231E+00 (2009,217,2300)
47, 15      721.900   6057.200    3.7918E+00 (2009,217,2300)
47, 16      721.900   6057.300    4.0851E+00 (2009,216,2300)
47, 17      721.900   6057.400    4.9420E+00 (2009,216,2300)
47, 18      721.900   6057.500    6.0417E+00 (2009,216,2300)
47, 19      721.900   6057.600    7.4177E+00 (2009,216,2300)
47, 20      721.900   6057.700    9.0461E+00 (2009,216,2300)
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47, 21      721.900   6057.800    1.0823E+01  (2009,216,2300)
47, 22      721.900   6057.900    1.2547E+01  (2009,216,2300)
47, 23      721.900   6058.000    1.3268E+01  (2009,216,2300)
47, 24      721.900   6058.100    1.0634E+01  (2009,216,2300)
47, 25      721.900   6058.200    6.6008E+00  (2009,216,2300)
47, 26      721.900   6058.300    6.2719E+00  (2009,216,2300)
47, 27      721.900   6058.400    5.6154E+00  (2009,216,2300)
47, 28      721.900   6058.500    5.1472E+00  (2009,209,2300)
47, 29      721.900   6058.600    5.8904E+00  (2009,209,2300)
47, 30      721.900   6058.700    6.1852E+00  (2009,209,2300)
47, 31      721.900   6058.800    5.9787E+00  (2009,209,2300)
47, 32      721.900   6058.900    5.3807E+00  (2009,209,2300)
47, 33      721.900   6059.000    4.6131E+00  (2009,209,2300)
47, 34      721.900   6059.100    4.3048E+00  (2009,211,2300)
47, 35      721.900   6059.200    4.3647E+00  (2009,174,2300)
47, 36      721.900   6059.300    4.7551E+00  (2009,174,2300)
47, 37      721.900   6059.400    4.9047E+00  (2009,174,2300)
47, 38      721.900   6059.500    4.8319E+00  (2009,174,2300)
47, 39      721.900   6059.600    4.6198E+00  (2009,174,2300)
47, 40      721.900   6059.700    4.3385E+00  (2009,174,2300)
47, 41      721.900   6059.800    4.0188E+00  (2009,174,2300)
47, 42      721.900   6059.900    4.0688E+00  (2009,222,2300)
47, 43      721.900   6060.000    4.3729E+00  (2009,222,2300)
47, 44      721.900   6060.100    4.5999E+00  (2009,222,2300)
47, 45      721.900   6060.200    4.7217E+00  (2009,222,2300)
47, 46      721.900   6060.300    4.7265E+00  (2009,222,2300)
47, 47      721.900   6060.400    4.6184E+00  (2009,222,2300)
47, 48      721.900   6060.500    4.4135E+00  (2009,222,2300)
47, 49      721.900   6060.600    4.1325E+00  (2009,222,2300)
47, 50      721.900   6060.700    3.7900E+00  (2009,222,2300)
47, 51      721.900   6060.800    3.3992E+00  (2009,222,2300)
48,  1      722.000   6055.800    1.0025E+00  (2009,213,2300)
48,  2      722.000   6055.900    1.1220E+00  (2009,213,2300)
48,  3      722.000   6056.000    1.2274E+00  (2009,213,2300)
48,  4      722.000   6056.100    1.3128E+00  (2009,213,2300)
48,  5      722.000   6056.200    1.3934E+00  (2009,204,2300)
48,  6      722.000   6056.300    1.4966E+00  (2009,204,2300)
48,  7      722.000   6056.400    1.6964E+00  (2009,217,2300)
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48,  9      722.000   6056.600    2.1311E+00  (2009,217,2300)
48, 10      722.000   6056.700    2.3490E+00  (2009,217,2300)
48, 11      722.000   6056.800    2.5576E+00  (2009,217,2300)
48, 12      722.000   6056.900    2.7565E+00  (2009,217,2300)
48, 13      722.000   6057.000    2.9382E+00  (2009,217,2300)
48, 14      722.000   6057.100    3.1186E+00  (2009,217,2300)
48, 15      722.000   6057.200    3.3090E+00  (2009,217,2300)
48, 16      722.000   6057.300    3.8153E+00  (2009,216,2300)
48, 17      722.000   6057.400    4.5987E+00  (2009,216,2300)
48, 18      722.000   6057.500    5.6056E+00  (2009,216,2300)
48, 19      722.000   6057.600    6.8641E+00  (2009,216,2300)
48, 20      722.000   6057.700    8.3492E+00  (2009,216,2300)
48, 21      722.000   6057.800    9.9566E+00  (2009,216,2300)
48, 22      722.000   6057.900    1.1516E+01  (2009,216,2300)
48, 23      722.000   6058.000    1.2709E+01  (2009,216,2300)
48, 24      722.000   6058.100    1.1253E+01  (2009,216,2300)
48, 25      722.000   6058.200    6.0632E+00  (2009,216,2300)
48, 26      722.000   6058.300    5.7825E+00  (2009,216,2300)
48, 27      722.000   6058.400    5.2149E+00  (2009,216,2300)
48, 28      722.000   6058.500    4.8891E+00  (2009,209,2300)
48, 29      722.000   6058.600    5.6374E+00  (2009,209,2300)
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48, 30      722.000   6058.700    5.9838E+00  (2009,209,2300)
48, 31      722.000   6058.800    5.8561E+00  (2009,209,2300)
48, 32      722.000   6058.900    5.3309E+00  (2009,209,2300)
48, 33      722.000   6059.000    4.6030E+00  (2009,209,2300)
48, 34      722.000   6059.100    4.1175E+00  (2009,211,2300)
48, 35      722.000   6059.200    4.0906E+00  (2009,231,2300)
48, 36      722.000   6059.300    4.4200E+00  (2009,174,2300)
48, 37      722.000   6059.400    4.6498E+00  (2009,174,2300)
48, 38      722.000   6059.500    4.6685E+00  (2009,174,2300)
48, 39      722.000   6059.600    4.5301E+00  (2009,174,2300)
48, 40      722.000   6059.700    4.2967E+00  (2009,174,2300)
48, 41      722.000   6059.800    4.0077E+00  (2009,174,2300)
48, 42      722.000   6059.900    3.6739E+00  (2009,174,2300)
48, 43      722.000   6060.000    3.8885E+00  (2009,222,2300)
48, 44      722.000   6060.100    4.1659E+00  (2009,222,2300)
48, 45      722.000   6060.200    4.3699E+00  (2009,222,2300)
48, 46      722.000   6060.300    4.4770E+00  (2009,222,2300)
48, 47      722.000   6060.400    4.4757E+00  (2009,222,2300)
48, 48      722.000   6060.500    4.3715E+00  (2009,222,2300)
48, 49      722.000   6060.600    4.1807E+00  (2009,222,2300)
48, 50      722.000   6060.700    3.9166E+00  (2009,222,2300)
48, 51      722.000   6060.800    3.5930E+00  (2009,222,2300)
49,  1      722.100   6055.800    1.0688E+00  (2009,213,2300)
49,  2      722.100   6055.900    1.1628E+00  (2009,213,2300)
49,  3      722.100   6056.000    1.2392E+00  (2009,213,2300)
49,  4      722.100   6056.100    1.3039E+00  (2009,204,2300)
49,  5      722.100   6056.200    1.3873E+00  (2009,204,2300)
49,  6      722.100   6056.300    1.4559E+00  (2009,204,2300)
49,  7      722.100   6056.400    1.6155E+00  (2009,217,2300)
49,  8      722.100   6056.500    1.7901E+00  (2009,217,2300)
49,  9      722.100   6056.600    1.9616E+00  (2009,217,2300)
49, 10      722.100   6056.700    2.1260E+00  (2009,217,2300)
49, 11      722.100   6056.800    2.2781E+00  (2009,217,2300)
49, 12      722.100   6056.900    2.4172E+00  (2009,217,2300)
49, 13      722.100   6057.000    2.5380E+00  (2009,217,2300)
49, 14      722.100   6057.100    2.6537E+00  (2009,217,2300)
49, 15      722.100   6057.200    2.9644E+00  (2009,216,2300)
49, 16      722.100   6057.300    3.5011E+00  (2009,216,2300)
49, 17      722.100   6057.400    4.2036E+00  (2009,216,2300)
49, 18      722.100   6057.500    5.1154E+00  (2009,216,2300)
49, 19      722.100   6057.600    6.2521E+00  (2009,216,2300)
49, 20      722.100   6057.700    7.5869E+00  (2009,216,2300)
49, 21      722.100   6057.800    9.0269E+00  (2009,216,2300)
49, 22      722.100   6057.900    1.0420E+01  (2009,216,2300)
49, 23      722.100   6058.000    1.1573E+01  (2009,216,2300)
49, 24      722.100   6058.100    1.1370E+01  (2009,216,2300)
49, 25      722.100   6058.200    5.5117E+00  (2009,216,2300)
49, 26      722.100   6058.300    5.2797E+00  (2009,216,2300)
49, 27      722.100   6058.400    4.8013E+00  (2009,216,2300)
49, 28      722.100   6058.500    4.6380E+00  (2009,209,2300)
49, 29      722.100   6058.600    5.3883E+00  (2009,209,2300)
49, 30      722.100   6058.700    5.7796E+00  (2009,209,2300)
49, 31      722.100   6058.800    5.7227E+00  (2009,209,2300)
49, 32      722.100   6058.900    5.2680E+00  (2009,209,2300)
49, 33      722.100   6059.000    4.5870E+00  (2009,209,2300)
49, 34      722.100   6059.100    3.9197E+00  (2009,211,2300)
49, 35      722.100   6059.200    3.9032E+00  (2009,231,2300)
49, 36      722.100   6059.300    4.0825E+00  (2009,174,2300)
49, 37      722.100   6059.400    4.3805E+00  (2009,174,2300)
49, 38      722.100   6059.500    4.4812E+00  (2009,174,2300)
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49, 39      722.100   6059.600    4.4146E+00  (2009,174,2300)
49, 40      722.100   6059.700    4.2369E+00  (2009,174,2300)
49, 41      722.100   6059.800    3.9884E+00  (2009,174,2300)
49, 42      722.100   6059.900    3.6834E+00  (2009,174,2300)
49, 43      722.100   6060.000    3.4320E+00  (2009,222,2300)
49, 44      722.100   6060.100    3.7271E+00  (2009,222,2300)
49, 45      722.100   6060.200    3.9813E+00  (2009,222,2300)
49, 46      722.100   6060.300    4.1636E+00  (2009,222,2300)
49, 47      722.100   6060.400    4.2566E+00  (2009,222,2300)
49, 48      722.100   6060.500    4.2501E+00  (2009,222,2300)
49, 49      722.100   6060.600    4.1497E+00  (2009,222,2300)
49, 50      722.100   6060.700    3.9674E+00  (2009,222,2300)
49, 51      722.100   6060.800    3.7177E+00  (2009,222,2300)
50,  1      722.200   6055.800    1.1037E+00  (2009,213,2300)
50,  2      722.200   6055.900    1.1719E+00  (2009,213,2300)
50,  3      722.200   6056.000    1.2212E+00  (2009,213,2300)
50,  4      722.200   6056.100    1.2864E+00  (2009,204,2300)
50,  5      722.200   6056.200    1.3378E+00  (2009,204,2300)
50,  6      722.200   6056.300    1.3715E+00  (2009,204,2300)
50,  7      722.200   6056.400    1.4906E+00  (2009,217,2300)
50,  8      722.200   6056.500    1.6229E+00  (2009,217,2300)
50,  9      722.200   6056.600    1.7476E+00  (2009,217,2300)
50, 10      722.200   6056.700    1.8606E+00  (2009,217,2300)
50, 11      722.200   6056.800    1.9611E+00  (2009,217,2300)
50, 12      722.200   6056.900    2.0483E+00  (2009,217,2300)
50, 13      722.200   6057.000    2.1198E+00  (2009,217,2300)
50, 14      722.200   6057.100    2.3397E+00  (2009,216,2300)
50, 15      722.200   6057.200    2.6929E+00  (2009,216,2300)
50, 16      722.200   6057.300    3.1662E+00  (2009,216,2300)
50, 17      722.200   6057.400    3.7868E+00  (2009,216,2300)
50, 18      722.200   6057.500    4.5960E+00  (2009,216,2300)
50, 19      722.200   6057.600    5.6099E+00  (2009,216,2300)
50, 20      722.200   6057.700    6.7936E+00  (2009,216,2300)
50, 21      722.200   6057.800    8.0576E+00  (2009,216,2300)
50, 22      722.200   6057.900    9.2800E+00  (2009,216,2300)
50, 23      722.200   6058.000    1.0299E+01  (2009,216,2300)
50, 24      722.200   6058.100    1.0861E+01  (2009,216,2300)
50, 25      722.200   6058.200    8.2954E+00  (2009,216,2300)
50, 26      722.200   6058.300    6.3979E+00  (2009,216,2300)
50, 27      722.200   6058.400    4.3845E+00  (2009,216,2300)
50, 28      722.200   6058.500    4.3932E+00  (2009,209,2300)
50, 29      722.200   6058.600    5.1428E+00  (2009,209,2300)
50, 30      722.200   6058.700    5.5708E+00  (2009,209,2300)
50, 31      722.200   6058.800    5.5789E+00  (2009,209,2300)
50, 32      722.200   6058.900    5.1959E+00  (2009,209,2300)
50, 33      722.200   6059.000    4.5680E+00  (2009,209,2300)
50, 34      722.200   6059.100    3.8757E+00  (2009,209,2300)
50, 35      722.200   6059.200    3.7202E+00  (2009,231,2300)
50, 36      722.200   6059.300    3.7515E+00  (2009,174,2300)
50, 37      722.200   6059.400    4.0978E+00  (2009,174,2300)
50, 38      722.200   6059.500    4.2672E+00  (2009,174,2300)
50, 39      722.200   6059.600    4.2738E+00  (2009,174,2300)
50, 40      722.200   6059.700    4.1584E+00  (2009,174,2300)
50, 41      722.200   6059.800    3.9543E+00  (2009,174,2300)
50, 42      722.200   6059.900    3.6857E+00  (2009,174,2300)
50, 43      722.200   6060.000    3.3649E+00  (2009,174,2300)
50, 44      722.200   6060.100    3.3049E+00  (2009,222,2300)
50, 45      722.200   6060.200    3.5802E+00  (2009,222,2300)
50, 46      722.200   6060.300    3.8140E+00  (2009,222,2300)
50, 47      722.200   6060.400    3.9794E+00  (2009,222,2300)
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50, 48      722.200    6060.500     4.0580E+00  (2009,222,2300)
50, 49      722.200    6060.600     4.0454E+00  (2009,222,2300)
50, 50      722.200    6060.700     3.9474E+00  (2009,222,2300)
50, 51      722.200    6060.800     3.7724E+00  (2009,222,2300)
51,  1      722.300    6055.800     1.1101E+00  (2009,213,2300)
51,  2      722.300    6055.900     1.1542E+00  (2009,213,2300)
51,  3      722.300    6056.000     1.1936E+00  (2009,204,2300)
51,  4      722.300    6056.100     1.2309E+00  (2009,204,2300)
51,  5      722.300    6056.200     1.2510E+00  (2009,204,2300)
51,  6      722.300    6056.300     1.2522E+00  (2009,204,2300)
51,  7      722.300    6056.400     1.3363E+00  (2009,217,2300)
51,  8      722.300    6056.500     1.4290E+00  (2009,217,2300)
51,  9      722.300    6056.600     1.5125E+00  (2009,217,2300)
51, 10      722.300    6056.700     1.5832E+00  (2009,217,2300)
51, 11      722.300    6056.800     1.6612E+00  (2009,276,2300)
51, 12      722.300    6056.900     1.7460E+00  (2009,276,2300)
51, 13      722.300    6057.000     1.8840E+00  (2009,216,2300)
51, 14      722.300    6057.100     2.1113E+00  (2009,216,2300)
51, 15      722.300    6057.200     2.4171E+00  (2009,216,2300)
51, 16      722.300    6057.300     2.8265E+00  (2009,216,2300)
51, 17      722.300    6057.400     3.3683E+00  (2009,216,2300)
51, 18      722.300    6057.500     4.0765E+00  (2009,216,2300)
51, 19      722.300    6057.600     4.9587E+00  (2009,216,2300)
51, 20      722.300    6057.700     5.9857E+00  (2009,216,2300)
51, 21      722.300    6057.800     7.0821E+00  (2009,216,2300)
51, 22      722.300    6057.900     8.1469E+00  (2009,216,2300)
51, 23      722.300    6058.000     9.0480E+00  (2009,216,2300)
51, 24      722.300    6058.100     9.6427E+00  (2009,216,2300)
51, 25      722.300    6058.200     9.5248E+00  (2009,216,2300)
51, 26      722.300    6058.300     7.1564E+00  (2009,216,2300)
51, 27      722.300    6058.400     3.9787E+00  (2009,216,2300)
51, 28      722.300    6058.500     4.1518E+00  (2009,209,2300)
51, 29      722.300    6058.600     4.8996E+00  (2009,209,2300)
51, 30      722.300    6058.700     5.3612E+00  (2009,209,2300)
51, 31      722.300    6058.800     5.4306E+00  (2009,209,2300)
51, 32      722.300    6058.900     5.1165E+00  (2009,209,2300)
51, 33      722.300    6059.000     4.5431E+00  (2009,209,2300)
51, 34      722.300    6059.100     3.8787E+00  (2009,209,2300)
51, 35      722.300    6059.200     3.5438E+00  (2009,231,2300)
51, 36      722.300    6059.300     3.5398E+00  (2009,231,2300)
51, 37      722.300    6059.400     3.8118E+00  (2009,174,2300)
51, 38      722.300    6059.500     4.0388E+00  (2009,174,2300)
51, 39      722.300    6059.600     4.1111E+00  (2009,174,2300)
51, 40      722.300    6059.700     4.0564E+00  (2009,174,2300)
51, 41      722.300    6059.800     3.9045E+00  (2009,174,2300)
51, 42      722.300    6059.900     3.6768E+00  (2009,174,2300)
51, 43      722.300    6060.000     3.3885E+00  (2009,174,2300)
51, 44      722.300    6060.100     3.0578E+00  (2009,174,2300)
51, 45      722.300    6060.200     3.1918E+00  (2009,222,2300)
51, 46      722.300    6060.300     3.4487E+00  (2009,222,2300)
51, 47      722.300    6060.400     3.6620E+00  (2009,222,2300)
51, 48      722.300    6060.500     3.8098E+00  (2009,222,2300)
51, 49      722.300    6060.600     3.8763E+00  (2009,222,2300)
51, 50      722.300    6060.700     3.8581E+00  (2009,222,2300)
51, 51      722.300    6060.800     3.7590E+00  (2009,222,2300)
```

   1 - RANK HIGHEST VALUES FOR PERIOD

Multiply all values by 10 ** -1

```
   51 I    28      29      30      34      38      41      44      45      44      42      46      51
54      54      52      52      59      64      63      66
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   50 I    27      29      31      32      35      40      43      46      47      47      44      50
54      57      57      55      58      65      67      68
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   49 I    27      28      30      32      34      36      41      46      49      50      49      48
54      59      61      59      59      66      71      71
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   48 I    29      29      29      31      33      35      38      43      48      52      53      52
52      59      63      65      62      64      73      74
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   47 I    31      31      32      32      32      35      37      39      46      51      55      57
56      57      64      68      68      65      74      79
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   46 I    32      33      34      35      35      35      36      39      42      48      54      59
61      59      63      70      74      72      72      82
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   45 I    32      34      35      36      37      38      39      39      42      44      51      58
63      65      63      70      77      79      74      83
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   44 I    32      33      35      37      39      40      42      42      43      44      48      54
62      68      70      68      77      84      84      82
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   43 I    33      34      35      37      39      41      44      45      47      47      47      51
58      67      73      75      76      86      92      88
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   42 I    33      35      36      38      39      41      44      47      49      51      52      53
56      62      72      79      82      86      96      99
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   41 I    32      34      36      39      41      43      45      46      50      53      56      58
59      61      67      78      86      89      97     107
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   40 I    30      33      35      38      41      44      47      49      51      53      57      61
64      66      67      73      86      95      97     111
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   39 I    27      30      33      36      40      43      47      51      54      57      59      61
66      70      73      75      80      94     104     109
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   38 I    25      27      30      33      37      41      45      50      54      59      63      67
70      72      76      81      85      90     105     116
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
   37 I    24      25      27      29      33      37      41      46      52      58      64      70
76      81      85      87      90      95     102     117
      I    +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
```

```
  36 I    21     23     25     27     29     32     36     42     49     54     60     68
76     85     93    101    107    109    108    119
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  35 I    18     20     22     24     26     29     32     36     43     48     54     62
71     82     94    106    120    132    140    141
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  34 I    19     23     27     31     35     41     48     59     70     82     96    113
133    155    165    164    147    161    171    185
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  33 I    17     20     23     25     28     33     38     44     52     62     73     87
104    124    150    173    152    167    178    203
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  32 I    15     16     17     19     21     23     27     31     37     44     52     62
74     90    110    136    171    217    277    345
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  31 I    13     14     14     15     16     18     19     21     25     29     35     41
50     61     75     94    121    158    210    284
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  30 I    11     12     13     14     15     16     18     19     21     24     26     30
33     39     49     62     82    110    154    221
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  29 I    10     11     11     12     13     15     16     18     19     22     24     27
30     34     38     44     57     81    120    181
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  28 I     9     10     11     11     12     13     15     16     18     20     22     24
27     30     34     39     51     72    104    165
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  27 I     9      9     10     11     12     13     14     15     16     18     20     22
24     27     32     44     61     83    113    158
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  26 I     8      9      9     10     11     12     13     14     15     16     18     20
22     29     39     52     69     93    126    188
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  25 I     8      8      9     10     10     11     12     13     14     16     17     20
26     34     44     58     76    100    146    223
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  24 I     8      8      9      9     10     11     12     13     14     16     18     23
30     38     49     62     80    114    163    226
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  23 I     7      8      8      9     10     11     12     14     16     18     21     27
33     42     52     67     92    125    164    208
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  22 I     7      8      8      9     10     12     13     15     17     20     24     29
36     44     58     77    100    127    154    195
     I     +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
```

```
   21 I      7       8       9      10      11      13      15      17      19      23      27      31
39      51      66      83     102     122     146     173
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   20 I      8       9      10      11      12      14      16      19      22      25      29      35
45      57      71      86     100     119     140     160
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   19 I      8       9      11      12      14      16      18      20      24      28      32      39
50      61      73      85      97     115     129     137
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   18 I      9      10      12      13      15      17      19      22      26      29      34      43
53      63      73      82      95     109     115     123
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   17 I     10      11      13      14      16      18      21      24      27      31      37      45
54      63      71      82      91      99     103     114
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   16 I     11      12      14      15      17      20      22      25      28      31      38      46
55      62      71      80      87      89      97     105
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   15 I     12      13      15      16      18      20      23      25      28      32      39      47
54      60      70      77      79      84      90      96
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   14 I     13      14      16      17      19      21      23      25      28      33      40      46
53      60      68      72      74      79      84      88
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   13 I     13      15      16      18      19      21      23      25      27      33      39      45
51      59      64      66      70      74      77      81
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   12 I     14      15      17      18      20      22      24      25      28      33      39      44
50      57      60      62      65      68      71      75
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   11 I     15      17      18      20      21      22      24      25      28      32      37      42
49      53      56      58      61      63      66      69
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

   10 I     17      18      19      20      21      22      23      24      27      32      36      41
47      50      51      54      57      59      61      63
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

    9 I     18      19      19      20      21      22      22      23      27      31      35      40
44      47      49      50      53      54      56      58
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

    8 I     18      19      19      20      20      21      21      23      27      30      34      38
42      46      47      47      49      50      52      54
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +

    7 I     18      18      19      19      19      19      20      23      26      30      34      38
42      45      45      43      45      46      48      49
      I      +       +       +       +       +       +       +       +       +       +       +       +
+       +       +       +       +       +       +       +
```

```
    6 I    18        18        18        18        18        18        20        23        26        29        35        39
42      43        42        39        41        42        43        44
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
    5 I    17        17        17        17        17        18        20        23        26        31        36        39
41      41        38        36        37        38        39        40
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
    4 I    16        16        16        16        16        18        20        23        28        33        37        39
39      38        35        33        34        35        36        36
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
    3 I    15        15        15        15        16        18        21        26        30        34        37        38
37      35        32        31        31        31        32        33
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
    2 I    14        14        14        15        16        19        23        28        31        34        36        36
34      32        30        29        29        29        29        30
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
    1 I    13        13        14        15        17        21        25        29        32        34        34        34
32      29        28        28        28        28        27        27
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
      -------------------------------------------------------------------------
------------------------------------------------------
            1         2         3         4         5         6         7         8         9        10        11        12
13      14        15        16        17        18        19        20

    1 - RANK HIGHEST VALUES FOR PERIOD

 Multiply all values by 10 **  -1

   51 I    67        61        58        54        65        77        79        70        59        66        74        77
75      68        58        55        51        45        44        45
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
   50 I    70        68        63        57        68        81        83        73        63        71        79        81
77      69        60        57        51        46        47        47
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
   49 I    73        74        67        62        71        85        88        76        67        77        85        85
79      69        62        58        50        49        50        49
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
   48 I    77        80        72        68        74        89        93        80        72        84        91        89
81      69        64        58        51        53        52        50
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
   47 I    81        84        79        74        77        94        99        84        78        92        97        93
82      71        65        57        55        55        54        51
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
   46 I    85        88        88        81        81       100       104        88        87       100       103        96
83      73        65        58        59        58        56        51
      I     +         +         +         +         +         +         +         +         +         +         +         +
+       +         +         +         +         +         +         +
   45 I    89        93        96        88        85       106       111        92        96       108       108        98
83      74        64        62        62        60        56        50
```

```
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   44 I   94      99     102      96      90     114     118      97     106     117     114     100
86     74      67      66      65      62      56      52
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   43 I   96     103     108     106      99     122     127     106     118     126     118     104
89     75      70      71      68      63      56      58
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   42 I   96     108     117     119     110     132     136     116     131     135     124     108
90     78      76      75      70      62      62      64
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   41 I  105     113     125     128     123     144     146     125     145     145     132     112
90     81      82      78      70      67      69      70
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   40 I  118     116     130     141     137     160     157     143     162     160     139     113
93     89      86      79      72      75      76      74
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   39 I  126     128     139     154     153     179     170     164     186     173     143     111
96     96      90      79      82      83      81      77
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   38 I  128     143     151     164     171     203     184     199     212     180     141     112
106     102      91      91      92      89      83      75
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   37 I  129     149     157     185     190     225     210     240     228     181     135     118
115     105     101     101      98      90      80      69
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   36 I  133     147     171     186     230     232     230     273     225     171     133     131
121     111     111     105      96      84      72      64
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   35 I  143     156     177     189     235     243     264     269     214     161     147     140
122     118     112     101      88      75      69      67
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   34 I  186     183     193     212     260     269     283     264     208     159     158     141
123     118     106      91      77      73      71      69
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   33 I  220     242     239     243     267     278     280     257     204     172     160     135
126     111      94      81      79      76      71      66
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   32 I  361     369     279     263     294     276     285     273     211     180     153     134
117      98      88      85      79      73      68      64
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   31 I  362     401     276     281     313     266     273     281     214     174     143     123
103      96      90      84      78      72      67      63
      I      +       +       +        +        +        +        +        +        +       +        +        +        +
+        +        +        +        +        +        +        +
   30 I  317     421     421     433     402     351     298     293     201     163     132     114
106      98      90      82      75      75      75      73
```

```
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  29 I  274   403   479   512   453   516   385   312   190   161   140   125
115   105    94    89    87    83    81    78
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  28 I  259   388   390   489   509   667  1434   451   333   242   188   160
139   126   115   105    96    87    79    73
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  27 I  250   377   412   519   508   702  1710   773   473   311   226   182
154   139   126   118   109   101    93    86
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  26 I  296   420   435   547   618   894  1212   859   567   362   285   227
184   165   148   134   122   112   103    95
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  25 I  321   411   418   553   726  1068  1120   958   739   481   349   254
199   180   163   144   126   115   105    98
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  24 I  292   375   409   524   699  1341  1397  1056   753   496   342   248
187   184   177   169   163   153   143   128
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  23 I  236   301   340   392   638   959   952   689   574   424   305   233
181   188   184   181   176   168   161   143
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  22 I  216   261   269   357   483   605   611   490   384   317   243   211
195   195   183   174   162   150   146   130
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  21 I  189   206   249   302   357   404   408   368   289   241   189   185
189   184   168   155   138   123   120   111
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  20 I  166   188   219   249   277   302   313   299   254   187   161   161
162   155   138   125   111    99    96    94
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  19 I  150   170   189   207   223   240   253   248   218   176   135   135
132   123   109    98    90    82    76    75
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  18 I  138   152   164   176   187   200   211   214   199   170   132   113
107    97    88    81    74    68    63    59
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  17 I  125   135   144   153   163   173   181   186   179   158   128    95
86     79    73    66    61    56    53    49
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  16 I  113   120   128   136   144   154   160   164   159   144   119    91
70     65    60    55    51    47    44    41
     I    +     +     +     +     +     +     +     +     +     +     +     +
+     +     +     +     +     +     +     +
  15 I  102   108   115   122   130   138   143   145   140   129   109    85
62     54    50    46    43    40    37    35
```

```
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  14 I   93     99    105    111    118    125    130    131    126    116     99     79
59    46     43     39     37     34     32     31
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  13 I   85     90     96    101    107    113    117    118    113    104     89     73
56    41     37     35     32     30     28     28
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  12 I   78     82     87     92     98    102    105    106    105     93     81     67
53    39     33     31     29     27     25     25
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  11 I   72     76     80     84     88     92     94     99     98     85     74     62
49    38     30     28     26     24     23     22
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
  10 I   66     69     72     76     80     83     85     92     92     81     67     57
46    36     28     26     24     22     21     20
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   9 I   61     63     66     69     72     74     76     85     86     76     61     52
43    34     26     24     22     20     19     18
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   8 I   55     57     60     62     64     66     70     79     80     71     57     47
40    32     25     22     20     19     17     16
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   7 I   50     52     54     56     58     59     65     73     74     66     54     43
36    30     23     20     19     17     16     15
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   6 I   46     47     48     50     51     53     60     67     68     62     51     39
33    27     22     18     17     16     15     14
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   5 I   41     42     43     45     46     47     55     61     62     57     47     36
30    25     20     17     16     15     14     13
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   4 I   37     38     39     40     41     43     51     56     57     52     44     34
27    23     19     16     15     14     13     12
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   3 I   34     34     35     36     36     40     47     51     52     48     41     32
25    21     17     14     13     13     12     11
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   2 I   30     31     31     32     32     37     43     47     48     45     38     30
22    19     16     13     12     12     11     11
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
   1 I   27     28     28     29     29     35     40     44     44     41     35     28
21    17     14     12     11     11     10     10
     I    +      +      +      +      +      +      +      +      +      +      +      +      +
+      +      +      +      +      +      +      +
     --------------------------------------------------------------------------------
--------------------------------------------------
```

```
          21    22    23    24    25    26    27    28    29    30    31    32
33    34    35    36    37    38    39    40
```

1 - RANK HIGHEST VALUES FOR PERIOD

Multiply all values by 10 ** -1

```
51 I   44    42    39    35    34    34    34    36    37    38    38
   I    +     +     +     +     +     +     +     +     +     +     +
50 I   46    42    38    36    36    36    38    39    40    39    39
   I    +     +     +     +     +     +     +     +     +     +     +
49 I   46    42    38    38    38    40    41    42    41    40    39
   I    +     +     +     +     +     +     +     +     +     +     +
48 I   46    42    40    40    42    44    44    44    43    41    38
   I    +     +     +     +     +     +     +     +     +     +     +
47 I   46    43    43    45    46    47    46    45    43    40    37
   I    +     +     +     +     +     +     +     +     +     +     +
46 I   46    46    48    49    50    49    47    45    42    38    34
   I    +     +     +     +     +     +     +     +     +     +     +
45 I   49    51    52    53    52    50    47    44    40    36    32
   I    +     +     +     +     +     +     +     +     +     +     +
44 I   54    56    56    55    53    50    46    42    37    33    31
   I    +     +     +     +     +     +     +     +     +     +     +
43 I   60    60    59    57    53    49    44    39    34    34    34
   I    +     +     +     +     +     +     +     +     +     +     +
42 I   65    64    61    56    51    46    41    37    37    37    37
   I    +     +     +     +     +     +     +     +     +     +     +
41 I   69    65    60    55    49    43    40    40    40    40    39
   I    +     +     +     +     +     +     +     +     +     +     +
40 I   71    65    58    51    45    44    43    43    42    42    41
   I    +     +     +     +     +     +     +     +     +     +     +
39 I   70    62    54    48    47    47    46    45    44    43    41
   I    +     +     +     +     +     +     +     +     +     +     +
38 I   66    57    52    52    51    50    48    47    45    43    40
   I    +     +     +     +     +     +     +     +     +     +     +
37 I   59    57    56    55    53    51    49    46    44    41    38
   I    +     +     +     +     +     +     +     +     +     +     +
36 I   63    61    59    57    54    51    48    44    41    38    35
   I    +     +     +     +     +     +     +     +     +     +     +
35 I   65    62    59    56    52    48    44    41    39    37    35
   I    +     +     +     +     +     +     +     +     +     +     +
34 I   65    61    56    51    48    45    43    41    39    39    39
   I    +     +     +     +     +     +     +     +     +     +     +
33 I   61    57    54    50    47    46    46    46    46    46    45
   I    +     +     +     +     +     +     +     +     +     +     +
32 I   60    56    54    54    54    54    54    53    53    52    51
   I    +     +     +     +     +     +     +     +     +     +     +
31 I   63    63    63    62    62    61    60    59    57    56    54
   I    +     +     +     +     +     +     +     +     +     +     +
30 I   72    71    69    68    66    64    62    60    58    56    54
   I    +     +     +     +     +     +     +     +     +     +     +
29 I   75    72    70    67    64    61    59    56    54    51    49
   I    +     +     +     +     +     +     +     +     +     +     +
28 I   70    66    63    60    57    54    51    49    46    44    42
   I    +     +     +     +     +     +     +     +     +     +     +
27 I   79    74    71    67    64    60    56    52    48    44    40
   I    +     +     +     +     +     +     +     +     +     +     +
26 I   88    84    80    76    72    67    63    58    53    64    72
   I    +     +     +     +     +     +     +     +     +     +     +
25 I   91    88    84    80    76    71    66    61    55    83    95
```

```
  I    +     +     +     +     +     +     +     +     +     +     +
24 I  113   111   109   109   108   108   106   113   114   109    96
  I    +     +     +     +     +     +     +     +     +     +     +
23 I  125   125   124   129   131   134   133   127   116   103    90
  I    +     +     +     +     +     +     +     +     +     +     +
22 I  112   121   130   141   140   134   125   115   104    93    81
  I    +     +     +     +     +     +     +     +     +     +     +
21 I   95   111   121   126   123   116   108   100    90    81    71
  I    +     +     +     +     +     +     +     +     +     +     +
20 I   86    93    98   103   101    97    90    83    76    68    60
  I    +     +     +     +     +     +     +     +     +     +     +
19 I   73    76    79    84    82    79    74    69    63    56    50
  I    +     +     +     +     +     +     +     +     +     +     +
18 I   61    62    63    66    66    64    60    56    51    46    41
  I    +     +     +     +     +     +     +     +     +     +     +
17 I   50    51    52    53    53    52    49    46    42    38    34
  I    +     +     +     +     +     +     +     +     +     +     +
16 I   42    43    44    47    47    45    41    38    35    32    28
  I    +     +     +     +     +     +     +     +     +     +     +
15 I   36    37    39    42    43    41    38    33    30    27    24
  I    +     +     +     +     +     +     +     +     +     +     +
14 I   31    32    35    38    39    38    35    31    27    23    21
  I    +     +     +     +     +     +     +     +     +     +     +
13 I   28    28    31    34    35    35    33    29    25    21    19
  I    +     +     +     +     +     +     +     +     +     +     +
12 I   25    25    28    30    32    32    30    28    24    20    17
  I    +     +     +     +     +     +     +     +     +     +     +
11 I   23    23    25    27    28    28    28    26    23    20    17
  I    +     +     +     +     +     +     +     +     +     +     +
10 I   21    21    22    24    25    25    25    23    21    19    16
  I    +     +     +     +     +     +     +     +     +     +     +
 9 I   18    19    19    21    22    23    22    21    20    17    15
  I    +     +     +     +     +     +     +     +     +     +     +
 8 I   16    17    17    18    19    20    20    19    18    16    14
  I    +     +     +     +     +     +     +     +     +     +     +
 7 I   14    15    15    16    16    17    17    17    16    15    13
  I    +     +     +     +     +     +     +     +     +     +     +
 6 I   13    13    14    14    15    15    15    15    15    14    13
  I    +     +     +     +     +     +     +     +     +     +     +
 5 I   12    12    12    12    13    14    14    14    14    13    13
  I    +     +     +     +     +     +     +     +     +     +     +
 4 I   12    11    11    11    11    12    13    13    13    13    12
  I    +     +     +     +     +     +     +     +     +     +     +
 3 I   11    10    10    10    10    11    12    12    12    12    12
  I    +     +     +     +     +     +     +     +     +     +     +
 2 I   10    10     9     9     9     9    10    11    12    12    12
  I    +     +     +     +     +     +     +     +     +     +     +
 1 I    9     9     9     8     8     8     9    10    11    11    11
  I    +     +     +     +     +     +     +     +     +     +     +
   ------------------------------------------------------------------
       41    42    43    44    45    46    47    48    49    50    51
                                                       TSP          1
```

(Data are processed only in Hours: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
16 17 18 19 20 21 22 23 24)
 1 RANKED   24   HOUR AVERAGE   CONCENTRATION VALUES AT EACH DISCRETE RECEPTOR
(YEAR,DAY,START TIME)   (ug/m**3)

RECEPTOR   COORDINATES (km)   1 RANK
     1   720.197 6058.289   4.1431E+01 (2009,154,2300)

```
        2        720.554   6057.763    1.8417E+01 (2009,226,2300)
        3        719.615   6057.709    2.5814E+01 (2009,118,2300)


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     Species & Concentration/Deposition Information
                          Requested Species Number:    2
                                          Species: PM10
                         Layer of processed data:    1
        (>0=conc, -1=dry flux, -2=wet flux, -3=wet & dry flux)
                    Multiplicative scaling factor: 0.0000E+00
                         Additive scaling term: 0.0000E+00
                    Hourly background values used?: F



     Visibility Processing is NOT Selected




     Output options
                      Units requested for output:    (ug/m**3)

     Averaging time(s) selected
         User-specified averaging time (hr:mm:ss):    0: 0: 0
                               1-pd averages:     F
                               1-hr averages:     T
                               3-hr averages:     F
                              24-hr averages:     T
                       User-specified averages:     F
                        Length of run averages:     T


     Output components selected
                                          Top-50:     T
                    Top-N values at each receptor:     T
               Exceedance counts at each receptor:     F
          Output selected information for debugging:     F
                    Echo tables for selected days:     F
                    Time-series for selected days:     F
          Peak value Time-series for selected days:     F

   Top "n" table control
          Number of "top" values at each receptor:     1
          Specific ranks of "top" values reported:    1



   Plot file option
                              Plot files created:     T
                    Plot file format is DATA: .DAT


*********************************************************************************
***************************************************
```

  MAPSPEC: Species Mapping
    Number of species-levels in file :   3
    Number of species-levels processed: 4

    Input species-levels in file processed
    Input ID   Processing ID   Name
        1   1   TSP   1
        2   2   PM10   1
        3   3   PM2.5   1

    All processed species-levels available
               Processing ID   Name
                    1   TSP   1
                    2   PM10   1
                    3   PM2.5   1
                    4   NO2   1

    Processed species-level associated with background
               Processing ID   Name
                    2   PM10   1

        Visibility Species
               Processing ID   Name
no2gas   4   NO2   1

   IDENTIFICATION OF PROCESSED MODEL FILE ----------

   CALPUFF   7.3.1   171016

   CALPUFF Demonstration Run
   (Not intended as a guide for configuring options)

   Averaging time for values reported from model:
        1   HOUR

   Number of averaging periods in file from model:
        8760

   Chemical species names for each layer in model:
   TSP   1
   PM10   1
   PM2.5   1

   QA Information -- Internal Representation of Data

   CONTENTS OF CONTROL FILE -------------------------
    METRUN   = 1
         (so times in model output file are used)

```
 isyr,ismo,isdy       = 2008 12 31
 ishr,ismin,issec     = 23 0 0
 ieyr,iemo,iedy       = 2009 12 31
 iehr,iemin,iesec     = 23 0 0
 nper                 = 8760


Data may be processed only within certain hours
    Hour 01 is processed for all averages
    Hour 02 is processed for all averages
    Hour 03 is processed for all averages
    Hour 04 is processed for all averages
    Hour 05 is processed for all averages
    Hour 06 is processed for all averages
    Hour 07 is processed for all averages
    Hour 08 is processed for all averages
    Hour 09 is processed for all averages
    Hour 10 is processed for all averages
    Hour 11 is processed for all averages
    Hour 12 is processed for all averages
    Hour 13 is processed for all averages
    Hour 14 is processed for all averages
    Hour 15 is processed for all averages
    Hour 16 is processed for all averages
    Hour 17 is processed for all averages
    Hour 18 is processed for all averages
    Hour 19 is processed for all averages
    Hour 20 is processed for all averages
    Hour 21 is processed for all averages
    Hour 22 is processed for all averages
    Hour 23 is processed for all averages
    Hour 24 is processed for all averages
 aspec,ilayer         =PM10            1
 asplv                =PM10             1
 NO2CALC              = 1
 NO2 Converted from NOx by Single Factor
    RNO2NOX           = 1.00000000
 MSOURCE              = 0
 MCALMPRO             = 0
 MET1FMT              = 1
 LG,LD,LCT,LDRING     = T T F F
 IBGRID,IEGRID        = 1 51
 JBGRID,JEGRID        = 1 51
 NDRECP               =
1 1 1
 a,b,LSCALE           = 0.00000000E+00 0.00000000E+00 F
 (b is in internal data units)
 LBACK                = F
 MVISBK               = 8
 MVISCHECK            = 1
 AREANAME             =USER
 MFRH                 = 4
 RHMAX,BEXTRAY        = 95.0000000 10.0000000
 RHFRAC,BEXTBK        = 0.00000000E+00 0.00000000E+00
 LVSO4,LVNO3,LVNO2    = T T F
 LVOC,LVEC            = T T
 LVPMC,LVPMF,LVBK     = T T T
 SPECPMC,SPECPMF      =PMC             PMF
 EEPMC,EEPMF,EEPMCBK  = 0.600000024 1.00000000 0.600000024
 EESO4,EENO3,EEOC     = 3.00000000 3.00000000 4.00000000
 EESO4S,EENO3S,EEOCS  = 2.20000005 2.40000010 2.79999995
```

```
EESO4L,EENO3L,EEOCL  = 4.80000019 5.09999990 6.09999990
EESOIL,EEEC,EENO2    = 1.00000000 10.0000000 0.175500005
navg,ntop            = 0 1
navgh,navgm,navgs    = 0 0 0
itop                 = 1
itops                = 0
L[1,3,24]HR          = T F T
LNAVG, LRUNL         = F T
LT50, LTOPN, LEXCD   = T T F
LECHO, LTIME, LPEAK  = F F F
LCUM                 = F
THRESH1              = -1.00000000
THRESH3              = -1.00000000
THRESH24             = -1.00000000
THRESHN              = -1.00000000
(Thresholds in output data units)(ug/m**3)
STHRESH1             = -1.00000000
STHRESH3             = -1.00000000
STHRESH24            = -1.00000000
STHRESHN             = -1.00000000
(S-Thresholds in internal data units)
LPLT,IPLOTFM         = T 1
MDVIS                = 0
LDEBUG               = F
LCTSG                = F

CONTENTS OF HEADER OF MODEL OUTPUT FILE ---------
 model :   CALPUFF    7.3.1       171016
 msyr,mjsday      = 2008 366
 mshr,mssec       = 23 0
 nsecdt (period)  = 3600
 axbtz            = UTC+1000
 xbtz             = -10.0000000
 mnper,nszout,mavgpd = 8760 3 1
 xorigkm,yorigkm,nssta =  709.800049 6048.30029 0
 ielmet,jelmet = 101 101
 delx,dely,nz = 0.200000003 0.200000003 1
 iastar,iastop,jastar,jastop = 1 101 1 101
 isastr,isastp,jsastr,jsastp = 38 63 38 63
 (computed) ngx,ngy  = 51 51
 meshdn           = 2
 ndrec,nctrec,LSGRID = 3 0 T

Discrete Receptors (n,x,y,z,ht,group):
1 720.197083 6058.28857 17.0000000 0.00000000E+00 1
2 720.554077 6057.76270 25.0000000 0.00000000E+00 2
3 719.615051 6057.70947 56.0000000 0.00000000E+00 3
Discrete Receptor Groups (group,name):
1 1
2 2
3 3


Number of Sources by Type
Control-file POINT Sources :          0
EMARB-file POINT Sources   :          0
Control-file AREA Sources  :          0
EMARB-file AREA Sources    :          0
Control-file LINE Sources  :          0
EMARB-file LINE Sources    :          0
Control-file VOLUME Sources:         31
```

```
 EMARB-file VOLUME Sources  :            0
 (boundary sources)         :            0
 Control-file FLARE Sources :            0
 EMARB-file FLARE Sources   :            0
 Control-file ROAD Sources  :            0
 EMARB-file ROAD Sources    :            0
 Control-file SPRAY Sources :            0
 EMARB-file SPRAY Sources   :            0

  Source Names
 VT1
 VT2
 VT3
 VT4
 VT5
 VT6
 VT7
 VT8
 VT9
 VT10
 VT11
 VT12
 VT13
 VT14
 VT15
 VT16
 VT17
 VT18
 VT19
 VT20
 UNLD
 WE1
 WE2
 WE3
 WE4
 WE5
 WE6
 WE7
 RECLM
 SHIPLD
 RECHIP




 --------------------------------------------------------------------------
 ---------------------------------------------------------
          INPUT FILES

 Default Name      Unit No.      File Name and Path
 ------------      --------      ------------------
  CALPOST.INP          5         KIPT_Stage_2_calpost1.inp
     MODEL.DAT         4
 c:\users\public\documents\work\20180626\calpuff.con


 --------------------------------------------------------------------------
 ---------------------------------------------------------
          OUTPUT FILES
```

```
Default Name       Unit No.     File Name and Path
------------       --------     ------------------
 CALPOST.LST          8         calpost1.lst
    (TOPN)            11         RANK()_SPECIES_ttHR_CONC_r1.DAT


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                        PM10               1

            TOP-50    1   HOUR AVERAGE   CONCENTRATION VALUES   (ug/m**3)

   (Data are processed only in Hours: 01 02 03 04 05 06 07 08 09 10 11 12 13 14 15
 16 17 18 19 20 21 22 23 24)
      STARTING YEAR   DAY TIME(HHMM) RECEPTOR   TYPE     CONCENTRATION    COORDINATES
 (km)

             2009   154     1900   ( 27,  27)  G      1.8754E+02      719.900
 6058.400
             2009   155     2000   ( 27,  27)  G      1.7569E+02      719.900
 6058.400
             2009   154     1800   ( 27,  27)  G      1.7427E+02      719.900
 6058.400
             2009   119     2200   ( 27,  27)  G      1.6992E+02      719.900
 6058.400
             2009   119     1800   ( 27,  27)  G      1.6910E+02      719.900
 6058.400
             2009   154     1700   ( 27,  27)  G      1.6895E+02      719.900
 6058.400
             2009   207     0200   ( 27,  27)  G      1.6763E+02      719.900
 6058.400
             2009   201     1700   ( 27,  27)  G      1.6739E+02      719.900
 6058.400
             2009    35     1900   ( 27,  27)  G      1.6681E+02      719.900
 6058.400
             2009   257     1800   ( 27,  27)  G      1.6113E+02      719.900
 6058.400
             2009   232     1800   ( 27,  27)  G      1.5981E+02      719.900
 6058.400
             2009   176     0800   ( 27,  27)  G      1.5841E+02      719.900
 6058.400
             2009   207     0100   ( 27,  27)  G      1.5704E+02      719.900
 6058.400
             2009   119     2100   ( 27,  27)  G      1.5679E+02      719.900
 6058.400
             2009   119     2300   ( 27,  27)  G      1.5637E+02      719.900
 6058.400
             2009   119     1700   ( 27,  27)  G      1.5545E+02      719.900
 6058.400
             2009   119     0700   ( 27,  27)  G      1.5504E+02      719.900
 6058.400
             2009   207     0000   ( 27,  27)  G      1.5269E+02      719.900
 6058.400
```

2009	119	2000	(27,	27)	G	1.5160E+02	719.900	6058.400
2009	155	1900	(27,	27)	G	1.5098E+02	719.900	6058.400
2009	155	2100	(27,	27)	G	1.5089E+02	719.900	6058.400
2009	206	2300	(27,	27)	G	1.4753E+02	719.900	6058.400
2009	154	2300	(27,	27)	G	1.4600E+02	719.900	6058.400
2009	154	1900	(27,	26)	G	1.4553E+02	719.900	6058.300
2009	226	2300	(27,	27)	G	1.4467E+02	719.900	6058.400
2009	154	1900	(26,	24)	G	1.3764E+02	719.800	6058.100
2009	119	1900	(27,	27)	G	1.3725E+02	719.900	6058.400
2009	202	0200	(27,	27)	G	1.3603E+02	719.900	6058.400
2009	154	1800	(27,	26)	G	1.3592E+02	719.900	6058.300
2009	154	1900	(27,	24)	G	1.3450E+02	719.900	6058.100
2009	144	0100	(27,	27)	G	1.3364E+02	719.900	6058.400
2009	154	1800	(26,	24)	G	1.3361E+02	719.800	6058.100
2009	261	0200	(27,	27)	G	1.3105E+02	719.900	6058.400
2009	220	1700	(27,	27)	G	1.2996E+02	719.900	6058.400
2009	29	0500	(28,	27)	G	1.2830E+02	720.000	6058.400
2009	154	1700	(27,	26)	G	1.2778E+02	719.900	6058.300
2009	154	2100	(28,	27)	G	1.2771E+02	720.000	6058.400
2009	292	2000	(27,	26)	G	1.2600E+02	719.900	6058.300
2009	154	1900	(27,	25)	G	1.2370E+02	719.900	6058.200
2009	154	1900	(26,	25)	G	1.2304E+02	719.800	6058.200
2009	226	0300	(28,	27)	G	1.2299E+02	720.000	6058.400
2009	350	0200	(28,	27)	G	1.2227E+02	720.000	6058.400
2009	178	0900	(27,	28)	G	1.2144E+02	719.900	6058.500
2009	154	1700	(26,	24)	G	1.2128E+02	719.800	6058.100
2009	254	2300	(28,	27)	G	1.2116E+02	720.000	6058.400
2009	224	2200	(27,	26)	G	1.2096E+02	719.900	6058.300
2009	155	1800	(27,	27)	G	1.2087E+02	719.900	6058.400
2009	154	1800	(27,	24)	G	1.2077E+02	719.900	6058.100