```
#=========================================================================
# ------------------------
# | CVS File Information |
# ------------------------
#
# $RCSfile: nem_spread.inp,v $
#
# $Author: rwstotz $
#
# $Date: 1998/05/19 14:18:06 $
#
# $Revision: 1.5 $
#
# $Name:  $
#=========================================================================

###########################################################################
# GENERAL NOTES
#
# 1) Any line beginning with a "#" is considered a comment and will be
# ignored by the file parser.
#
# 2) The order of the lines IS NOT significant.
#
# 3) Any lines that are optional are marked as such in this file. Unless
# otherwise noted a line is required to exist in any input file.
#
# 4) The default file name expected by nem_spread is "nem_spread.inp". This
# can be overridden on the command line (see the nem_spread.man file for
# more on this).
#
# 5) The case of words IS NOT significant, e.g., "file" IS equivalent
# to "FILE" or "File", etc.
#
# 6) The amount of blank space in between words is also significant. Each
# word should only be separated by a single space.
#
# 7) Blank lines are ignored.
#
###########################################################################

#+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# Input FEM file = <filename>
#
# This line contains the name of the original input ExodusII file which was
# spread over the parallel disks.
#---------------------------------------------------------------------------
Input FEM file          = ps.gen

#+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# LB file = <filename>
#
# This line contains the name of a scalar Nemesis load-balance file as
# generated by the nem_slice utility.
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#-------------------------------------------------------------------------------
LB file                 = ps-slice.nem

#+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# Scalar Results FEM file = <filename>
#
# This line is OPTIONAL.
#
# This line contains the name of the ExodusII file from which the restart
# variables to be spread will be read from. If this file is not given, then
# the results will be written to the "Input FEM file" file.
#-------------------------------------------------------------------------------
Scalar Results FEM file = ps.res

#+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# Debug = <integer>
#
# This is an OPTIONAL line and if omitted defaults to the value of 0. Valid
# values are 0 <= value <= 10.
#
# A value of 1 or 2 essentially causes nem_spread to output more information
# about where it is and what it's doing. As the value is increased more
# and more information about the operations nem_spread is performing and
# the results of those operations is output to the screen. Values above 2
# are probably only useful for small example problems and those users
# familiar with the specifics of how nem_spread works.
#-------------------------------------------------------------------------------
Debug                   = 4

#+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# Restart Time list = <list of integers>
#
# This line is OPTIONAL.
#
# This line is used to pick which time indices you wish to spread out. In
# ExodusII the first time index is "1". The word "all" may be used to
# indicate that you wish to read all time indices from the file and spread
# them all out to the parallel files. The word "last" can be used to indicate
# that you wish only the last time index contained in the file to be spread
# out to the parallel files (this is commonly used for restarting a code
# where it left off).
#
# If this line is left out, nem_spread will check for results in the
# input FEM file (or the scalar results file) and spread all of them. This
# feature can be turned off by using the keyword "off".
#
#-------------------------------------------------------------------------------
Restart Time list       = 1,2,5

#+++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# Reserve space = nodal=<integer>, elemental=<integer>, global=<integer>
#
# This OPTIONAL line causes nem_spread to reserve space in the parallel files
# for a specified number of nodal, elemental, and/or global variables. This
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# can help prevent an application from going into the infamous netCDF define
# mode and place the burden on nem_spread. Default value is "0".
#
# A warning is generated if this line is used and restart information
# was already requested. The two are mutually exclusive.
#------------------------------------------------------------------------------
Reserve space           = nodal=0, elemental=0, global=0

#++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# Parallel Disk Info = <options>
#
# This line gives all of the information about the parallel file system
# being used. There are a number of options that can be used with it,
# although for most cases only a couple will be needed. The options are:
#
#       number=<integer> - this is the number of parallel disks that the
#                          results files are spread over. This number must
#                          be specified, and must be first in the options
#                          list.
#       list={list}      - OPTIONAL, If the disks are not sequential, then a
#                          list of disk numbers can be given. This list should
#                          be enclosed in brackets "{}", and the disk numbers
#                          can be separated by any of the following comma,
#                          blank space, tab, or semicolon.
#       offset=<integer> - OPTIONAL, This is the offset from zero that the
#                          disk numbers begin with. If no number is specified,
#                          this defaults to 1. This option is ignored if
#                          "list" is specified.
#       zeros            - OPTIONAL, This specifies that leading zeros are
#                          used in the parallel file naming convention. For
#                          example, on the Paragon, the file name for the
#                          first pfs disk is "/pfs/tmp/io_01/". If this is
#                          specified, then the default is not to have leading
#                          zeros in the path name, such as on the teraflop
#                          machine "/pfs/tmp_1/".
#       stage_off         - OPTIONAL, This turns on staged reads. The default
#                          is to stage the writes.
#
#------------------------------------------------------------------------------
Parallel Disk Info      = number=4, list={1,2,10,12}, offset=1, zeros, stage_off

#++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++++
# Parallel file location = <options>
#
# This line gives all of the information about where the parallel files are
# located. There are only two options for this line, and both must be
# specified. The options are:
#       root=<root directory name>
#         This line is used to specify what the name of the root directory is
#         on the target machine. This can be any valid root directory
#         name. For example, if one is running on an SGI workstation and
#         using the "tflop" numbering scheme then you could use something
#         similar to "/usr/tmp/pio_" in this field so that files would be
#         written to root directories named:
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```
#               /usr/tmp/pio_1
#               /usr/tmp/pio_2
#                       .
#                       .
#                       .
#               /usr/tmp/pio_<Parallel Disk Info, number>
#
#       subdir=<subdirectory name>
#         This line specifies the name of the subdirectory, under the root
#         directory, where files are to be written. This is tacked onto
#         the end of the "root" after an appropriate integer is added to
#         "root". Continuing with the example given for "root", if "subdir"
#         had a value of "run1/input" files would be written to directories
#         named:
#               /usr/tmp/pio_1/run1/input/
#               /usr/tmp/pio_1/run1/input/
#                       .
#                       .
#                       .
#               /usr/tmp/pio_<Parallel Disk Info, number>/run1/input/
#
#-------------------------------------------------------------------------------
Parallel file location  = root=/pfs/tmp_, subdir=glh/run1
```