AII−1

## APPENDIX II:    EXECUTING GAMS

GAMS versions exist for many different computer platforms.    These authors have had experience with micro computer versions for PC's, workstation versions for Sun and HP systems and mainframe versions for IBM and CRAY machines.    The basic strategy is almost the same for all of these machines.    Thus a simple overview discussion will be presented with particulars only drawn out for PC and UNIX based machines.[1]

GAMS operates in a batch mode.    Thus, an ASCII file describing the problem must be created with a text editor, word processor or other means.    In turn, assuming the GAMS input file is called "filename",    the file is executed using the command

GAMS filename

In turn, program output appears on the file filename.lst.[2]

GAMS also allows the user control over a number of options involved with running the program.    One may control page width, page length, saves and restarts among many other things.    The files GAMSPARM.TXT and GAMSPARM.DOC details many of the other options.    The general PC version of the call is

COMMAND \C    GAMS FILENAM PW=90 PS=80 S=NEWSAV R=OLDSAV O=DIVERT

where the items are:

COMMAND \C        a line needed to make restarts work properly with DOS
FILENAM             the name of the file of GAMS input instructions to be executed
PS=number                specifies the page length be used in the output file
PW=number                specifies the page width be used in the output file
S=name             file name used for saved work files (no file name extension is allowed)
R=name             file name used for work files the program resumes from (no file extension is allowed)
O=filename               name of file used for diverted output.

The equivalent UNIX command is

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[1]  Users of different systems should consult the README file distributed with GAMS as well as any release notes and Appendix A of the GAMS manual.

[2]  There    are other variants of    these naming conventions.    Users on non-UNIX or PC machines should consult    Appendix A of Brooke, Kendrick, and Meeraus or the GAMS installation guide for the system to     be used.

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gams filenam -pw 90 -ps 80 -s newsav -r oldsav -o divert

Αππενδιξ II–2