

## Hall and Taylor Model in GAMS on PCs (BRB 4<sup>th</sup> Floor Lab)

### Log in:

- 1) Press <ctrl><alt><del>
- 2) Type in username and password
- 3) Network should be set as “Austin”

### Download files needed for the lab:

- 1) Go to the class web page at <http://www.laits.utexas.edu/compeco/Courses/index392.html>
- 2) Find the appropriate lab by date and topic. Names of labs will correspond to the schedule given in the reading list.
- 3) Create a new folder to store files you will use and create during the lab.
- 4) Right click and save target files to your newly created folder.
- 5) For this lab, please start by running the “htsim.gms” file in the directory.

### Launching GAMS:

- 1) Click, Start Menu > Programs > GAMS > gamside.
- 2) Select File > Open from the top menu, or click the file icon at the upper left (or press <ctrl+o>). Select a GAMS file (extension will be .gms) that you have either downloaded from the course website (for instance “chakra.gms”) or created.
- 3) Before modifying a file you have downloaded, run it once to verify that it does not have any existing bugs or errors. That way you can be sure that your alterations are the source of any problems that may arise, and you can always revert to a program that works. To run the code, press F9, or click the file icon with the red arrow, which is adjacent to the print icon.
- 4) GAMS executes the file and displays a window which shows all the details of the execution process. Check to see whether the last line on the window titled “No Active Process” reads: “\*\*\* Status: Normal Completion.” This window can now be closed.
- 5) The output of the GAMS code file (the .gms file you opened) is stored in the list file (extension .lst) and is also displayed in the main window.
- 6) Important Notes:
  - a. While editing GAMS files, please avoid using <tab>, and instead use <space>. GAMS recognizes spaces while reading columns in tables, etc. and can have problems with syntax if the <tab> key is used.
  - b. Limit names of variables to 10 characters or less.
  - c.

### Ending a Session:

- 1) Remember to save all files you want to keep to a removable drive, or by emailing them to yourself or uploading to an online file storage (i.e. Dropbox).
- 2) Remember to log out of the computer by clicking Start Menu > Log Off \*eid\* > Log Off.