RUNNING CRAY-2 MODULE SIMULATOR ON THE SUPERBRAIN

1. Obtain diskette containing the REX file for the module you wish to simulate. The file is named MTREX where MT stands for the module type to be simulated.

2. Copy the MTREX file to a blank diskette and rename it MTBRC. Use the CPM commands from the list of commands.

3. Run the program named COMPACT. COMPACT will create a series of files from the MTBRC file. The names of the files that are created are COMPACT.MT, SIMFILE.MT, IOTERM.MT, and TERMS.MT. For help refer to the RUNNING COMPACT section of this document.

4. Run the program named IOEDIT. The IOEDIT program allows you to assign each module input term to a position in the module tester transmitter tabs and each module output term to a position in the module tester receiver tabs. For help refer to the RUNNING IOEDIT and ASSIGNING TRANSMITTER AND RECEIVER TABS sections of this document.

5. Run the program named SYNCHB. The SYNCH programs are the programs which are used run the modules on the module testers. You can use any SYNCH program to create the synch file. The different synch files are used when running on the various module testers. You use the synch program to set up the set or clear state of the input terms which are presented to the module at each clock period when testing the module. For help refer to the RUNNING SYNCH section of this document. Also refer to the operation instructions for the synch board module tester in the module test section of the training manual.

6. Run the program named SIM. The SIM program is the boolean simulation program. This program accesses the files you have created in the preceding steps. SIM allows you look at the state of specific boolean terms during each clock period of your synch file program. SIM creates and overwrites the expected buffer associated with the sych file. For help refer to the RUNNING SIM section of this document.

7. Run SYNCHB again to look at the expected buffer. The SIM program should have overwritten the expected buffer with the data from the simulation process. For help refer to the RUNNING SYNCH section of this document. Also refer to the operation instructions for the synch board module tester in the module test section of the training manual.