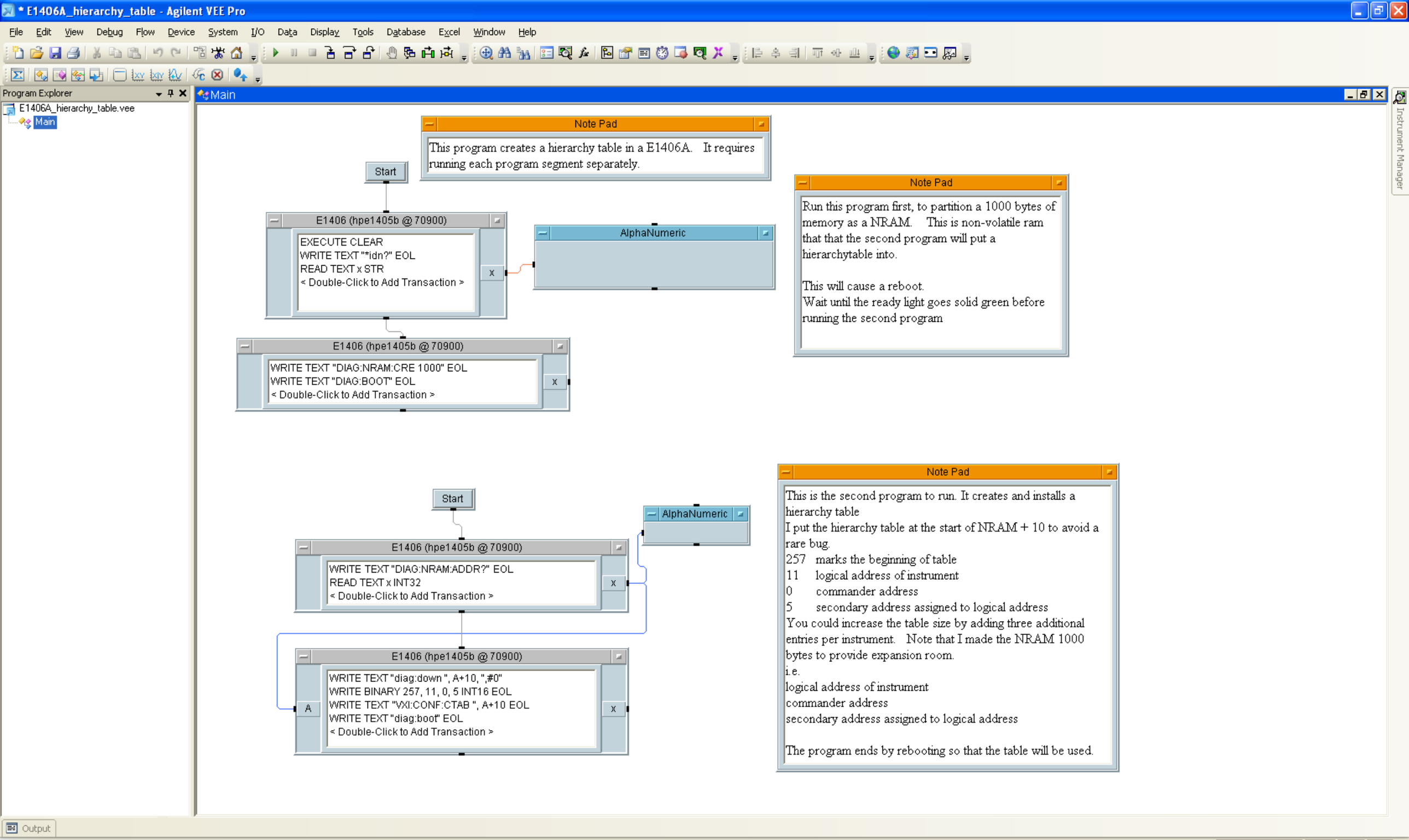
* E1406A_hierarchy_table - Agilent VEE Pro
File Edit View Debug Flow Device System I/O Data Display Tools Database Excel Window Help
Program Explorer
E1406A_hierarchy_table.vee
Main
Note Pad
This program creates a hierarchy table in a E1406A. It requires running each program segment separately.
Start
E1406 (hpe1405b @ 70900)
EXECUTE CLEAR
WRITE TEXT "*idn?" EOL
READ TEXT x STR
< Double-Click to Add Transaction >
AlphaNumeric
E1406 (hpe1405b @ 70900)
WRITE TEXT "DIAG:NRAM:CRE 1000" EOL
WRITE TEXT "DIAG:BOOT" EOL
< Double-Click to Add Transaction >
Note Pad
Run this program first, to partition a 1000 bytes of memory as a NRAM. This is non-volatile ram that that the second program will put a hierarchytable into.
This will cause a reboot.
Wait until the ready light goes solid green before running the second program
Start
AlphaNumeric
E1406 (hpe1405b @ 70900)
WRITE TEXT "DIAG:NRAM:ADDR?" EOL
READ TEXT x INT32
< Double-Click to Add Transaction >
E1406 (hpe1405b @ 70900)
WRITE TEXT "diag:down ", A+10, ",#0"
WRITE BINARY 257, 11, 0, 5 INT16 EOL
WRITE TEXT "VXI:CONF:CTAB ", A+10 EOL
WRITE TEXT "diag:boot" EOL
< Double-Click to Add Transaction >
Note Pad
This is the second program to run. It creates and installs a hierarchy table
I put the hierarchy table at the start of NRAM + 10 to avoid a rare bug.
257 marks the beginning of table
11 logical address of instrument
0 commander address
5 secondary address assigned to logical address
You could increase the table size by adding three additional entries per instrument. Note that I made the NRAM 1000 bytes to provide expansion room.
i.e.
logical address of instrument
commander address
secondary address assigned to logical address
The program ends by rebooting so that the table will be used.
Output
Ready
ExecMode: VEE9
start
9:24 AM