

TEXT LISTING

068-000270-05

PROGRAM

ECLIPSE MAPPED ADDRESS
TEST

TEXT TAPE

097-000270-05

ABSTRACT

THE ECLIPSE MAPPED ADDRESS TEST IS AN EXERCISER DESIGNED PRIMARILY TO VERIFY THAT ALL MEMORY MODULES THAT EXIST MAY BE ACCESSED VIA THE "LAST BLOCK ALWAYS MAPPED" FEATURE OF THE ECLIPSE MMAPU OPTION.


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0005 .MAIN
01
02 ERRORS AT 600 START
03 ALL ERRORS FOUND BY THIS TEST WILL RESULT
04 IN A CPU HALT
05 WWWWW IS IN AC3
06 XXXXXX IS IN AC0
07 YYYYYY IS IN AC1
08 ZZZZZZ IS IN AC2
09
10 DESCRIPTION
11 MOST OF THE OTHER DIAGNOSTICS THAT TEST MORE
12 THAN 32K OF MEMORY UTILIZE THE LAST BLOCK
13 ALWAYS MAPPED FEATURE OF THE MMAPU TO SIZE.
14 THIS TEST SHOULD BE UTILIZED AS A PRE-REQUISITE
15 TO RUNNING ANY OF THOSE TESTS. ALSO, IF ONE
16 HAS ANY DOUBTS ABOUT HAVING INTERLEAVED HIS
17 MEMORIES PROPERLY, THIS SHOULD BE THE FIRST
18 TEST UTILIZED.
19
20 THE MEMORY SIZES IN THIS ROUTINE SIZES FROM
21 BOTTOM TO TOP CHECKING FOR BOTH NON EXISTENT
22 MEMORY AND PC WRAP-AROUND. THE MAP TYPE UTILIZED
23 BY THE COMPUTER IS NOT A FACTOR IN THIS ROUTINE.
24
25
26 THE DATA PATTERN WRITTEN TO EXERCISE MEMORY
27 CONSISTS OF THE LOWER 6 BITS OF THE MODULE
28 NUMBER IN THE HIGH ORDER 6 BITS OF THE DATA
29 PATTERN AND THE LOWER 9 BITS OF THE WORD
30 EQUAL TO THE PHYSICAL ADDRESS OF THE CELL
    WITHIN 1K.

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!0006 .MAIN

**000000 TOTAL ERRORS, 00000 PASS 1 ERRORS