

NEW NUMBER *

MAINDEC=11=DZQMA

MEMORY EXERCISER using input-output devices

ABSTRACT

This program checks bank selection, EA bits, and memory using any NBR device with EA bits. It runs stand alone or with KT11C or KT11D to access extend memory. Worst case noise patterns are used with the NBR device to test the memory.

REQUIREMENTS

PDP=11 standard computer with a minimum of 8K of memory
KT11C/D for memory expansion (optional).

STORAGE = The routines use memory 0 = 17776

LOADING = Absolute Loader

EXECUTION TIME = The execution time is dependant on the amount of memory and the device used. The bell should ring within 20 minutes (using DM11 at 110 BAUD in 124K).

STARTING PROCEDURE =

- 1: Start at 200
- 2: Type device (RF11, RK11, RP11, RC11, TC11, TM11, DM11, or DR11B) and RETURN.
- 3: Test will start (+C will return to step 2 and restore the loader).
- OR
- 1: Start at 200
- 2: Type a RETURN
- 3: Type a lower bank to be tested, i.e. 1=20000=37777 etc.
- 4: Type the upper bank to be tested
- 5: Type device (RF11, RK11, RP11, RC11, TC11, TM11, DM11, or DR11B) and RETURN
- 6: Test will start (+C will return to step 2 and restore the loader)

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

- SW15 = HALT ON ERROR
- SW14 = HANG ON CURRENT BANK
- SW13 = INHIBIT PRINTOUT
- SW10 = INHIBIT BELL ON PASS COMPLETE
- SW09 = INHIBIT USE OF MEMORY EXPANSION DEVICE

SW78 = TRACE BANK UNDER TEST