

NEW NUMBER =

MAINDEC-11-DZOMB

0=124K MEMORY EXERCISER

ABSTRACT

Program DZOMB tests contiguous memory address from 000000 to 757776. It verifies that each address is unique (an address test) and that each memory location can be read/written reliably (worst case noise tests).

REQUIREMENTS

PDP-11 family processor
optional...
KT11-C or KT11-D memory management option

STORAGE = The routine uses memory 0-17777

LOADING = Absolute Loader

EXECUTION TIME = 4K = 1 min, 128K = 32 min.

STARTING PROCEDURE = Start at 200
The program will loop and ring bell on completion

PRINTOUTS = Yes

SWITCH REGISTER OPTIONS = Yes

SW15 = 1 OR UP ... HALT ON ERROR

NOTE

IF SW15=1 WHEN AN ERROR OCCURS THE PROGRAM WILL HALT. IF SW15 IS RAISED AFTER THE ERROR TYPEOUT BEGINS THE PROGRAM WILL HALT WHEN THE TYPEOUT COMPLETES.

SW19 = 1 OR UP ... LOOP SUBTEST
SW13 = 1 OR UP ... INHIBIT ERROR TYPEOUT
SW11 = 1 OR UP ... INHIBIT SUBTEST ITERATION
SW10 = 1 OR UP ... RING BELL ON ERROR
SW08 = 1 OR UP ... LOAD PDP-11/45 MICRO BREAK REGISTER
SW07 = SW00 ... VALUE TO BE LOADED