

**NAME**

mmtest — PDP 11/70 memory management test

**SYNOPSIS**

[This program must be booted up in the same manner as the UNIX operating system.]

**DESCRIPTION**

*Mmtest* is a stand-alone test of the DEC PDP11/70 memory management hardware. It runs an extensive test, accessing main memory with combinations of separated/combined I and D space, Unibus mapping, supervisor space, user space, kernel space, 16 bit addressing, 18 bit addressing, and 22 bit addressing. It attempts to load into and fetch from all memory locations using those combinations with all possible memory management register pairs.

Because of the great number of permutations to try, the test can take several minutes. On a machine with 250K core memory, the test took about 25 minutes.

If the result indicates any memory cannot be properly accessed with some memory management registers/options, call DEC and make sure that the latest ECO for memory management is indeed installed on your machine.

If the memory management registers are not working properly, intermittent, unpredictable system crashes may occur.