

IDENTIFICATION: MEMORY CLEAR I

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PURPOSE: To clear all of memory except the Octal Utility Package. All lines from 02 through 37 and 00 are cleared with the exception of the first two sectors of 02.

RESTRICTIONS:

1. At least lines 00, 01, and 02 must be in the computer.
2. Lines numbered $40)_8 - 77)_8$ will not be cleared, nor will sectors 000 and 001 of line 02.
3. The Octal Utility Package must be in memory.

STORAGE: All of line 00 plus the first two sectors of line 02 are used, along with some functions of the Octal Utility Package.

TIMING: The program requires approximately 19 seconds including tape reading. After the tape is loaded, it requires 2 seconds to clear memory.

USE: The program is self-contained and self-starting. All the user need do is insert the tape in the Flexowriter reader and, under Octal Utility control, depress the F key. After clearing memory the program clears itself and halts in line 00 with all console lights out. To return to Octal Utility control, depress the ENABLE and BREAKPOINT switches and strike the I key, then raise the switches.

METHOD: The program uses the Octal Utility Package to set the Index register to 02, then clears line 02. After clearing 02, the Index register is incremented by 1 and MCL

METHOD (cont.):

and TRU instructions are stored in line 02. The MCL moves 02 to the indexed line, then control returns to 00 where the first two sectors of the indexed line are cleared and the Index register incremented by one again.

When the Index register, line 37, is cleared to 00, the next MCL will clear line 00 and the TRU will go to a HLT in line 00.

