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SUBJECT: A PROGRAM FOR CHECKING THE CONTENTS OF TEST STORAGE

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Abstract: A utility program which checks the actual contents of test storage against the normal contents is described.

The registers of test storage are normally set as indicated in Memorandum M-3069, "Test Storage Contents for 1954 CCS". As is indicated in that memorandum, it is the responsibility of any group which uses a different test-storage program to make certain that the original contents is restored before the computer is turned over to another group.

To facilitate doing this, a utility program has been written which may be used to compare the actual contents of test storage with the normal settings. This program prints on the direct typewriter every discrepancy found. The type indications take one of the three following forms, each of which is self-explanatory:

05 should be a flip-flop

19 should not be a flip-flop

26 reads 0.12345 should read 1.00032

All addresses given in the print-out are decimal. If the check of test storage is completed without finding any incorrect settings, the following line is typed:

Test storage check complete

To use the utility program, tape number 100-6-1234 is placed in PETR and the READ IN button is pressed. The program begins operating automatically as soon as the read-in is finished. To repeat the program,

it is necessary only to press START OVER AT 40; the tape need not be read in again.

Copies of tape number 100-6-1234 may be obtained from the Tape Room by groups requiring it.