The program is executed in the following manner:

Program instruction cards for all three operations are placed in the hopper. The instruction cards for the first operation are loaded in the normal manner by pressing the Start Key.

After loading instruction cards for the first operation the program branches to start executing the program while instruction cards for the second and third operations are still in the hopper. A loop counter is then set up to add "1" 4,000 times, interrogating Sense Switch A 4,000 times. No branch should occur since cards are still in the hopper. If one does occur the machine stops indicating an error.

Upon completion of the first operation, the program branches to start loading the instruction cards for the second and third operations. When the last card has been read, the program begins executing the instructions for the second operation, again building up the loop counter to 4,000. Each loop interrogates Sense Switch A before adding "1" to the counter by a branch instruction since the hopper is empty. If no branch occurs the machine stops indicating an error.

Upon completion of the second operation, the machine stops indicating completion of the test with Sense Switch A ON.

To continue with operation 3, set Sense Switch A to the OFF position and press the Start Key. Sense Switch A is again interrogated 4,000 times, but this time no branching should occur since the switch is OFF. If branching occurs, the machine stops indicating an error.

Upon completion of the third operation, the machine stops indicating the completion of the test with Sense Switch A OFF.

Checking Procedure

If program stops at Location 441, an erroneous branch on last card was executed while cards are still in the hopper. The instruction may be scoped by setting Sense Switch B ON and pressing the Start Key.

If program stops at Location 517, the program did not branch on last card. The instruction may be scoped by setting Sense Switch B ON and pressing the Start Key.

If program stops at Location 599, it indicates the end of the second operation. To continue with the third, set Sense Switch A OFF and press the Start Key.

If program stops at Location 641, an erroneous branch on last card was executed while switch was in the OFF position. The instruction may be scoped by setting Sense Switch B ON and pressing the Start Key.

If program stops at Location 699, it indicates the end of the test. To repeat operations 2 and 3, set Sense Switch A ON and press the Start Key.