The program is executed in the following manner:

A Field (columns 1-10), and Result Should Be Field (columns 41-50) are loaded into the print area for printing purposes. A word mark is then placed in the units position of the A Field. Since the A Field now has two word marks (one in the units position and one in the low-order position, it is transferred into the Result Is print area by chaining two Load Op instructions. The word mark in the units position of the Result Is area is then removed by a Clear Word Mark instruction and a compare operation is performed comparing the Result Is with the Result Should Be Field. If the comparison is unequal, the program branches to the Error Print Routine. The position of Sense Switch E then determines whether the machine stops to permit console checking or prints the results with an "ERROR" indication.

Checking Procedure

SENSE SWITCH E ON - Machine stops for errors.

1. Remove the last card in the stacker.
2. Visually check A Field in the card with Location 201-210; then check Location 201-210 with Locations 241-250 and 261-270.
3. Check B ≠ A logic light. Should be OUT if the three fields are the same; should be ON if not.

SENSE SWITCH E OFF - Machine prints error results. Examples of error print-out:

A Field	B Field	Result Should Be	Result Is	
1111111111		1111111111	1111111111	ERROR (Word Mark in units position not removed)
4444444444		4444444444	4	ERROR

SENSE SWITCH C ON - Machine prints correct results. Examples:

1111111111 4444444444	1111111111 4444444444	1111111111 4444444444