The program is executed in the following manner:

A Field (columns 2-3), B Field (columns 22-23), and Result Should Be Field (columns 41-60) are loaded into the print area for printing purposes. The A and B Fields are then compared.

If the condition is equal, a test is made to check for the letter "E" in column 41. If E, the equal-compare operation was executed correctly; if not E, an error is indicated and the program branches to the error print routine, which loads the words "Equal" and "Error" into the print area.

If the condition is unequal, a test is made to check for the letter "U" in column 41. If U, the unequal-compare operation was executed correctly; if not U, an error is indicated and the program branches to the error print routine. Two tests are then made to determine whether the unequal condition is High or Low. If High the word "High" is loaded in the Result Is Field of the print area; if Low the word "Low" is loaded instead. In either case, the word "Error" is also loaded.

The position of Sense Switch E then determines whether the machine stops to permit console checking or prints the results.

Checking Procedure

SENSE SWITCH E ON - Machine stops for errors.

1. Remove the last card in the stacker.
2. Visually check A Field, B Field, and Result Should Be in the card with Locations 202-203, 222-223, and 241 respectively.
3. Determine whether the condition is Equal, High, or Low; then check with the BA logic light indicator.

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

A Field	B Field	Result Should Be	Result Is	
(blank)	(blank)	Equal	High	Error
1	(blank)	Unequal	Equal	Error
(blank)	1	Unequal	Equal	Error
RW	RW	Equal	Low	Error
RW	RR	Unequal	Equal	Error

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

(blank)	(blank)	Equal	Equal
1	(blank)	Unequal	Unequal
(blank	1	Unequal	Unequal
RW	RW	Equal	Equal
RW	RR	Unequal	Unequal