HEWLETT **hp** PACKARD

HP·65

PROGRAM FORMS
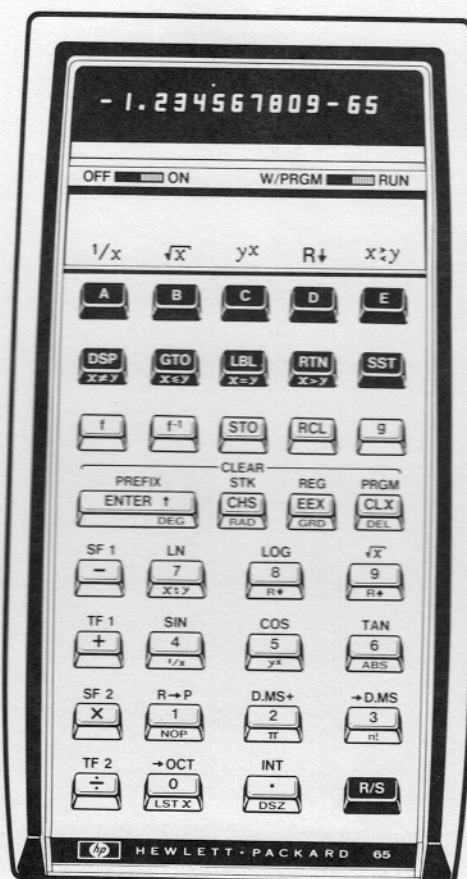
Merged Operations

STO 1	STO 5	RCL 1	RCL 5	g $x \neq y$	g $x \rightleftarrows y$
STO 2	STO 6	RCL 2	RCL 6	g $x \leq y$	g R↓
STO 3	STO 7	RCL 3	RCL 7	g $x = y$	g R↑
STO 4	STO 8	RCL 4	RCL 8	g $x > y$	g NOP
					g LSTX

To create and record a program:

1. **Set** the W/PRGM—RUN switch to W/PRGM.

2. **Press** f PRGM **to clear memory.**

3. **Key** in program steps.

4. **Insert** an unprotected (unclipped) card (printed side up) in the right, lower slot of the calculator. When the motor advances it through the card reader and out the left side of the calculator, the program is stored on the magnetic card.

5. **Set** the W/PRGM—RUN switch to RUN, and the program is ready to be used.

6. The information recorded on the card can be protected (that is, further recording is not allowed) if you clip off the upper left corner of the card.

Notes:

1. STO 9 and RCL 9 are not merged operations.

2. Trigonometric functions, rectangular-polar conversions and relational operations (x≠y , x≤y , x=y , x>y) use register R_9 for scratch.

3. Conditional operations (x≠y , x≤y , x=y , x>y , TF1 , TF2) skip two steps if false.

4. DSZ decrements contents (r_8) of register R_8 and tests against zero as shown below:
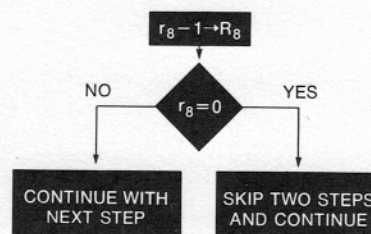
HP-65 Program Form

Title _____ Page _____ of _____

SWITCH TO W/PRGM. PRESS [f] [PRGM] TO CLEAR MEMORY.

KEY ENTRY	CODE SHOWN	COMMENTS	KEY ENTRY	CODE SHOWN	COMMENTS	REGISTERS
						R_1 _____
						R_2 _____
						R_3 _____
						R_4 _____
10			60			
						R_5 _____
						R_6 _____
						R_7 _____
20			70			
						R_8 _____
						R_9 _____
						LABELS
30			80			A _____
						B _____
						C _____
						D _____
						E _____
						0 _____
						1 _____
						2 _____
						3 _____
						4 _____
						5 _____
40			90			6 _____
						7 _____
						8 _____
						9 _____
						FLAGS
						1 _____
						2 _____
50			100			

HEWLETT · PACKARD

9320-0616

TO RECORD PROGRAM INSERT MAGNETIC CARD WITH SWITCH SET AT W/PRGM.

HP-65 User Instructions

Title _____ Page _____ of _____

Programmer _____ Date _____

STEP	INSTRUCTIONS	INPUT DATA/UNITS	KEYS		OUTPUT DATA/UNITS