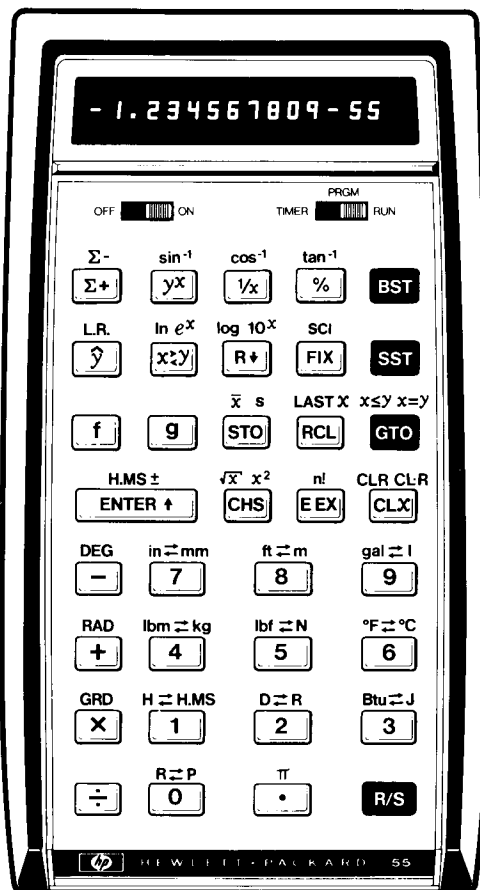


HEWLETT  PACKARD

HP-55

PROGRAMMING PAD



MERGED OPERATIONS

GTO appears as "--", e.g.

GTO 0 0 -- 00

GTO 0 1 -- 01

GTO 0 2 -- 02

etc.

PROGRAM CONTROLS

Program Mode

- R/S** stops a program
- GTO** goes to a line number
- f GTO** goes to a line number if the value in the x-register is less than or equal to the value in the y-register
- g GTO** goes to a line number if the value in the x-register is equal to the value in the y-register
- BST** indexes line number backwards by one
- SST** indexes line number forwards by one

Run Mode

- R/S** starts a program
- GTO** goes to a line number
- f GTO** goes to a line number if the value in the x-register is less than or equal to the value in the y-register
- g GTO** goes to a line number if the value in the x-register is equal to the value in the y-register
- BST** goes to top of memory and clears prefixes
- SST** executes program one step at a time

PROGRAMMING HINTS

Keys which do not enable stack lift: **ENTER+**, **CLX**, **Σ+**

Keys overwrite x, y registers: **̄x**, **s**, **RCL** **Σ+**, **L.R.**

- Program Halts:
1. execution of line number 00
 2. execution of **R/S**
 3. execution of logical error (for example, division by zero)
 4. overflow (a number larger than $9.99999999 \times 10^{99}$) in any register.

HP-55 Program Form

Title _____ Page _____ of _____

Press **BST** in RUN mode, switch to PRGM mode. Then key in the program.

DISPLAY		KEY ENTRY	X	Y	Z	T	COMMENTS	REGISTERS
LINE	CODE							
00.								R 0 _____
01.								_____
02.								R 1 _____
03.								_____
04.								R 2 _____
05.								_____
06.								R 3 _____
07.								_____
08.								R 4 _____
09.								_____
10.								R 5 _____
11.								_____
12.								R 6 _____
13.								_____
14.								R 7 _____
15.								_____
16.								R 8 _____
17.								_____
18.								R 9 _____
19.								_____
20.								R 0 _____
21.								_____
22.								R 1 _____
23.								_____
24.								R 2 _____
25.								_____
26.								R 3 _____
27.								_____
28.								R 4 _____
29.								_____
30.								R 5 _____
31.								_____
32.								R 6 _____
33.								_____
34.								R 7 _____
35.								_____
36.								R 8 _____
37.								_____
38.								R 9 _____
39.								_____
40.								R 0 _____
41.								_____
42.								R 1 _____
43.								_____
44.								R 2 _____
45.								_____
46.								R 3 _____
47.								_____
48.								R 4 _____
49.								_____

HP-55 User Instructions

Title _____ Page _____ of _____

Programmer _____

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