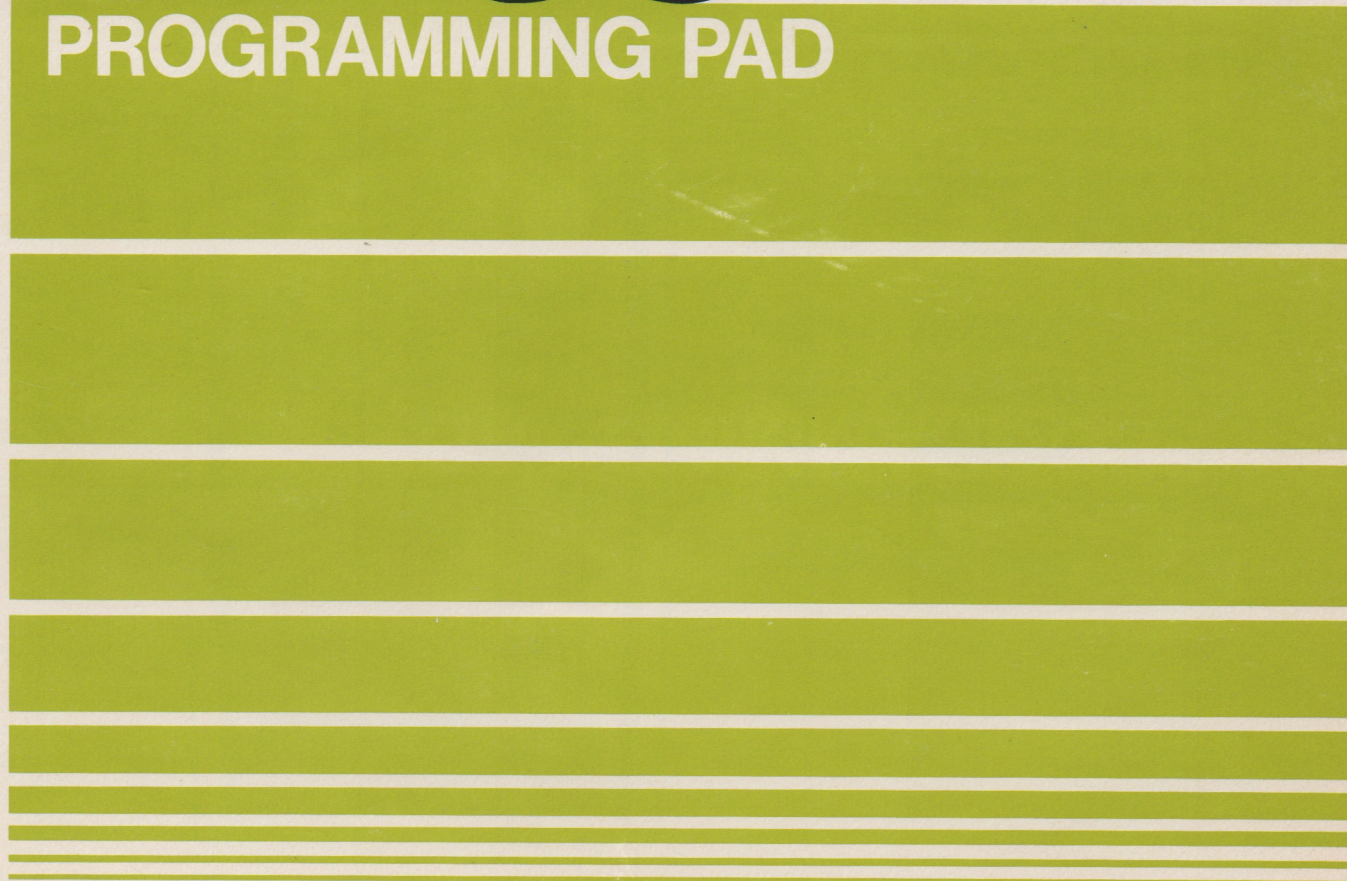
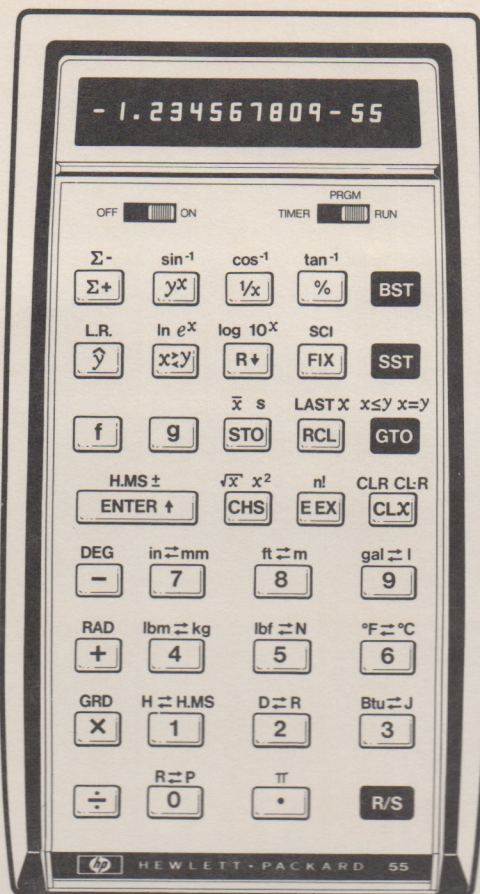


HEWLETT  PACKARD

HP-55

PROGRAMMING PAD

A series of horizontal green lines for programming. The first line is a solid green bar. The second line is a solid green bar. The third line is a solid green bar. The fourth line is a solid green bar. The fifth line is a solid green bar. The sixth line is a solid green bar. The seventh line is a solid green bar. The eighth line is a solid green bar. The ninth line is a solid green bar. The tenth line is a solid green bar. The eleventh line is a solid green bar. The twelfth line is a solid green bar. The thirteenth line is a solid green bar. The fourteenth line is a solid green bar. The fifteenth line is a solid green bar. The sixteenth line is a solid green bar. The seventeenth line is a solid green bar. The eighteenth line is a solid green bar. The nineteenth line is a solid green bar. The twentieth line is a solid green bar. The twenty-first line is a solid green bar. The twenty-second line is a solid green bar. The twenty-third line is a solid green bar. The twenty-fourth line is a solid green bar. The twenty-fifth line is a solid green bar. The twenty-sixth line is a solid green bar. The twenty-seventh line is a solid green bar. The twenty-eighth line is a solid green bar. The twenty-ninth line is a solid green bar. The thirtieth line is a solid green bar. The thirty-first line is a solid green bar. The thirty-second line is a solid green bar. The thirty-third line is a solid green bar. The thirty-fourth line is a solid green bar. The thirty-fifth line is a solid green bar. The thirty-sixth line is a solid green bar. The thirty-seventh line is a solid green bar. The thirty-eighth line is a solid green bar. The thirty-ninth line is a solid green bar. The fortieth line is a solid green bar. The forty-first line is a solid green bar. The forty-second line is a solid green bar. The forty-third line is a solid green bar. The forty-fourth line is a solid green bar. The forty-fifth line is a solid green bar. The forty-sixth line is a solid green bar. The forty-seventh line is a solid green bar. The forty-eighth line is a solid green bar. The forty-ninth line is a solid green bar. The fiftieth line is a solid green bar. The fifty-first line is a solid green bar. The fifty-second line is a solid green bar. The fifty-third line is a solid green bar. The fifty-fourth line is a solid green bar. The fifty-fifth line is a solid green bar. The fifty-sixth line is a solid green bar. The fifty-seventh line is a solid green bar. The fifty-eighth line is a solid green bar. The fifty-ninth line is a solid green bar. The sixtieth line is a solid green bar. The sixty-first line is a solid green bar. The sixty-second line is a solid green bar. The sixty-third line is a solid green bar. The sixty-fourth line is a solid green bar. The sixty-fifth line is a solid green bar. The sixty-sixth line is a solid green bar. The sixty-seventh line is a solid green bar. The sixty-eighth line is a solid green bar. The sixty-ninth line is a solid green bar. The seventieth line is a solid green bar. The seventy-first line is a solid green bar. The seventy-second line is a solid green bar. The seventy-third line is a solid green bar. The seventy-fourth line is a solid green bar. The seventy-fifth line is a solid green bar. The seventy-sixth line is a solid green bar. The seventy-seventh line is a solid green bar. The seventy-eighth line is a solid green bar. The seventy-ninth line is a solid green bar. The eightieth line is a solid green bar. The eighty-first line is a solid green bar. The eighty-second line is a solid green bar. The eighty-third line is a solid green bar. The eighty-fourth line is a solid green bar. The eighty-fifth line is a solid green bar. The eighty-sixth line is a solid green bar. The eighty-seventh line is a solid green bar. The eighty-eighth line is a solid green bar. The eighty-ninth line is a solid green bar. The ninetieth line is a solid green bar. The ninety-first line is a solid green bar. The ninety-second line is a solid green bar. The ninety-third line is a solid green bar. The ninety-fourth line is a solid green bar. The ninety-fifth line is a solid green bar. The ninety-sixth line is a solid green bar. The ninety-seventh line is a solid green bar. The ninety-eighth line is a solid green bar. The ninety-ninth line is a solid green bar. The hundredth line is a solid green bar.



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: **Σ-**, **Σ+**, **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 **BS** 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 _____

[illegible]