

HP-41C FI Backup Routine by Anthony G. Hutchins
PPC Calculator Journal V10 N1 P22 Jan-Feb 1983

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01 LBL "%I"    ;Backup Routine for PPC ROM FI
02 14
03 XROM 10,30 ;VS - PPC ROM Verify Size
04 FC?C 25    ;Make sure size >= 14
05 PROMPT
06 RCL 04
07 RCL 03
08 FS? 09
09 +          ;For PV case store 3 in R06
10 RCL 04
11 *          ;For FV case store 5 in R06
12 SIGN
13 4
14 +
15 STO 06
16 RCL IND 06 ;Save PV or FV in R06
17 STO 00
18 SREG 04    ;SigmaREG - Raise curtain 4 registers for SV
19 XROM 10,21 ;SigmaC - PPC ROM Sigma Register Curtain Exchange
20 "*V"       ;Asterisk, letter V
21 ASTO 06
22 CLX        ;Set Flag 10 to view each
23 ENTER      ;apprximation of Sigma i.
24 10         ;See "*V" below.
25 XROM 20,10 ;SV - PPC ROM Solve - Initial Guess is: Sigma i = 10
26 XROM 10,21 ;SigmaC - PPC ROM Sigma Register Curtain Exchange
27 STO 02     ;When Sigma i is found, lower
28 RCL 00     ;curtain again and return
29 STO IND 06 ;to FI after restoring
30 12         ;FV/PV to R05/R03.
31 STO 06
32 RCL 02
33 GTO "FI"   ;PPC ROM Financial Calculations
34 LBL "*V"   ;Called by SV. Lower curtain, access FI,
35 XROM 10,21 ;SigmaC - PPC ROM Sigma Register Curtain Exchange
36 STO 02     ;return LN[PV$/PV] or LN[FV$/FV] to SV
37 XROM 10,63 ;FI - PPC ROM Financial Calculations
38 RCL 00     ;after raising curtain again.
39 /
40 LN
41 XROM 10,21 ;SigmaC - PPC ROM Sigma Register Curtain Exchange
42 END
```

004BC000F30025491114A29EAB198E2423AC094024427A1440
369086309904A295F22A569A0677831110A50AA29532209186
111236221DF24649C000F3002A56A29532A2BF204350A295C0
000D2C

75 BYTES

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Program Registers Needed: 11

Row 1 (1 - 5)



Row 2 (6 - 16)



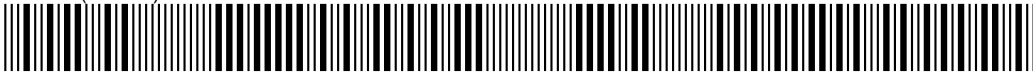
Row 3 (17 - 24)



Row 4 (24 - 32)



Row 5 (33 - 36)



Row 6 (37 - 42)

