

HP-41C Synthetic Text Lines by Tapani Tarvainen
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Uses PPC ROM, X-Functions, HP-IL Module/Printer

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01 LBL "STL" ;Synthetic Text Lines
02 "SYNTHETIC "
03 ">TEXT LINES:"
04 XROM 29,08 ;PRA
05 LBL 00
06 "\00\7F" ;Null, 7F hex
07 STOP
08 LBL "SY" ;Decode Synthetic Text Lines
09 FIX 0
10 CF 29
11 XROM 29,05 ;ACX
12 58
13 XROM 29,02 ;ACCHR
14 SIGN
15 XROM 29,22 ;SKPCHR
16 70
17 XROM 29,02 ;ACCHR
18 XROM 25,01 ;ALENG
19 STO 00
20 XEQ 07
21 LBL 01
22 RCL 00
23 XROM 25,01 ;ALENG
24 X#Y?
25 CLX
26 X#0?
27 XROM 25,07 ;ATOX
28 XEQ 06
29 DSE 00
30 GTO 01
31 XROM 29,10 ;PRBUF
32 GTO 00
33 LBL 06
34 16
35 XROM 10,54 ;QR - PPC ROM Quotient Remainder
36 X<>Y
37 XEQ 07
38 LBL 07
39 E1
40 X>Y?
41 SQRT
42 +
43 45
44 +
45 XROM 29,02 ;ACCHR
46 RDN
47 RTN
48 END
```

0070C000F40053544CFA53594E54484554494320FC7F544558
54204C494E45533AA74801F2007F84C000F30053599C00A91D
A7451518A7427AA7561710A742A64130E000070220A6417977
63A647E000069700B200A74AB100071116A2B671E00007081B
11455240141540A7427585C0000DCA

112 BYTES

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Program Registers Needed: 16

Row 1 (1 - 2)



Row 2 (2 - 3)



Row 3 (3 - 8)



Row 4 (8 - 12)



Row 5 (13 - 20)



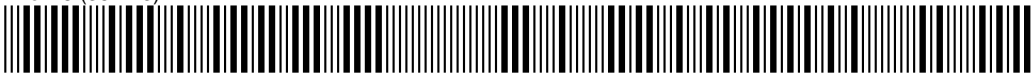
Row 6 (20 - 28)



Row 7 (28 - 35)



Row 8 (35 - 43)



Row 9 (44 - 48)

