

HP-41C Programmable Program by Daniel K. Allen  
PPC Calculator Journal Vol 9 No 8 P18 Dec 1982  
Program uses Ext Fn/Memory and PPC ROM modules

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01 LBL "PP"      ;Programmable Program
02 "NAME?"
03 AON
04 PROMPT        ;Program name (max 3 letters)
05 ASTO 01
06 ASTO 07
07 XROM 25,14 ;EMDIR
08 CLD
09 STO 05
10 25
11 XROM 25,11 ;CRFLD
12 E
13 -
14 E3
15 /
16 STO 00
17 XROM 25,01 ;ALENG
18 STO 02
19 .
20 LBL 00
21 XROM 25,07 ;ATOX
22 +
23 DSE Y
24 GTO 00
25 "\C0\00"      ;C000 hex
26 241
27 RCL 02
28 +
29 XROM 25,47 ;XTOA
30 +
31 .
32 XROM 25,47 ;XTOA
33 +
34 ARCL 01
35 STO 01
36 XEQ 14
37 "FORMULA?"
38 PROMPT        ;Enter formula to program
39 AOFF
40 XROM 25,01 ;ALENG
41 E
42 -
43 E3
44 /
45 E
46 +
47 STO 02
48 ASTO 03
49 ASHF
50 ASTO 04
51 LBL 01
52 CLA
53 ARCL 03
54 ARCL 04
55 61
56 XROM 25,07 ;ATOX
57 ASTO 03
58 ASHF
59 ASTO 04
60 X=Y?
61 GTO 01
62 STO 06
63 "\CF"          ;CF hex
64 RCL 02
65 101
66 +
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67 XROM 25,47 ;XTOA
68 >"\F1"      ;Append F1 hex
69 RCL 06
70 XROM 25,47 ;XTOA
71 +
72 RCL 02
73 16
74 +
75 XROM 25,47 ;XTOA
76 +
77 >"\B1\00"   ;Append B100 hex
78 113
79 +
80 INT
81 ST+ 01
82 XEQ 14
83 ISG 02
84 GTO 01
85 "\01\71\F3\7F\3D\20\AA\16\B1\00\71\83\7A\91" ;0171F37F3D20AA16B10071837A91 hex
86 XEQ 13
87 "\F2\75\1B\78\B2\00\75" ;F2751B78B20075 hex
88 XEQ 14
89 "\21"       ;21 hex
90 RCL 02
91 FRC
92 34.032
93 +
94 STO 02
95 STO 06
96 LBL 02
97 RCL 02
98 INT
99 ST+ 01
100 XEQ 12
101 >"\43"      ;Append 43 hex
102 67
103 ST+ 01
104 XEQ 13
105 ISG 02
106 GTO 02
107 >"\B1"      ;Append B1 hex
108 XEQ 13
109 >"\00"      ;Append 1 null
110 XEQ 13
111 >"\02"      ;Append 02 hex
112 XEQ 13
113 >"\75"      ;Append 75 hex
114 XEQ 13
115 >"\22"      ;Append 22 hex
116 XEQ 13
117 ISG 06
118 LBL 03
119 RCL 06
120 INT
121 ST+ 01
122 XEQ 12
123 >"\42"      ;Append 42 hex
124 66
125 ST+ 01
126 XEQ 13
127 ISG 06
128 GTO 03
129 >"\01"      ;Append 01 hex
130 XEQ 13
131 >"\91"      ;Append 91 hex
132 XEQ 13
133 >"\F2"      ;Append F2 hex
134 XEQ 13
135 >"\9B"      ;Append 9B hex
136 XEQ 13

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137 >"\73"      ;Append 73 hex
138 XEQ 13
139 >"\7E"      ;Append 7E hex
140 XEQ 13
141 >"\C0"      ;Append C0 hex
142 XEQ 13
143 >"\00"      ;Append 1 null
144 XEQ 13
145 >"\0B"      ;Append 1B hex
146 XEQ 13
147 216
148 ST+ 01
149 XROM 25,01 ;ALENG
150 RCL 00
151 INT
152 7
153 *
154 +
155 STO 02
156 7
157 /
158 INT
159 E
160 +
161 STO 03
162 RCL 01
163 256
164 MOD
165 STO 01
166 XEQ 12
167 13
168 STO 04
169 LBL 04
170 >"\FF"      ;Append FF hex
171 XEQ 13
172 DSE 04
173 GTO 04
174 XEQ 14
175 RCL 03
176 RCL 02
177 XROM 25,46 ;X<>F
178 RDN
179 XROM 25,32 ;RCLFLAG
180 .
181 XROM 25,46 ;X<>F
182 X<>Y
183 4.07
184 XROM 25,45 ;STOFLAG
185 R^
186 R^
187 XROM 25,46 ;X<>F
188 16
189 /
190 "\10\00\00\00" ;10 hex, 3 nulls
191 XROM 25,47 ;XTOA
192 RDN
193 XROM 25,32 ;RCLFLAG
194 .
195 XROM 25,46 ;X<>F
196 X<>Y
197 .03
198 XROM 25,45 ;STOFLAG
199 R^
200 R^
201 XROM 25,46 ;X<>F
202 16
203 *
204 XROM 25,47 ;XTOA
205 X<>Y
206 XROM 25,47 ;XTOA

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207 .
208 XROM 25,46 ;X<>F
209 RCL M
210 RCL 05
211 66
212 +
213 XROM 10,56 ;SX - PPC ROM Store Y in Absolute Address X
214 CLA
215 ARCL 07
216 XROM 25,22 ;GETSUB
217 CLST
218 SF 22
219 GTO IND 07
220 LBL 12
221 XROM 25,47 ;XTOA
222 LBL 13
223 14
224 XROM 25,01 ;ALENG
225 X#Y?
226 RTN
227 RCL N
228 XROM 25,41 ;SAVEX
229 ISG 00
230 LBL 14
231 RCL M
232 XROM 25,41 ;SAVEX
233 AVIEW
234 CLA
235 ISG 00
236 END

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01D8C000F3005050F54E414D453F8C8E9A019A07A64E7F3512
15A64B1B411B134330A641321A01A647409772B100F2C00012
14112240A66F401AA66F409B0131E0000EF8464F524D554C41
3F8E8BA6411B411B13431B40329A03889A0402879B039B0416
11A6479A03889A0478B20036F1CF2211101140A66FF27FF126
A66F4022111640A66F40F37FB10011111340689201E0000E96
02B200FE0171F37F3D20AA16B10071837A91E0000DF7F2751B
78B20075E0000EF121226913141A1013124032360322689201
E0000CF27F4316179201E0000D9602B300F27FB1E0000DF27F
00E0000DF27F02E0000DF27F75E0000DF27F22E0000D960604
26689201E0000CF27F4216169201E0000D9606B400F27F01E0
000DF27F91E0000DF27FF2E0000DF27F9BE0000DF27F73E000
0DF27F7EE0000DF27FC0E0000DF27F00E0000DF27F0BE0000D
1211169201A6412068174240321743681B4033211215164B31
E0000C11133405F27FFFE0000D9704B500E0000E2322A66E75
A6601AA66E71141A1017A66D7474A66E111643F410000000A6
6F75A6601AA66E711A1013A66D7474A66E111642A66F71A66F
1AA66E907525161640A2B8879B07A65673A816AE070DA66F0E
1114A64179859076A66996000F9075A6697E879600C0000DFA

```

472 BYTES

# HP-41C Programmable Program by Daniel K. Allen PPC V9 N8 P18 Dec 1982

Program Registers Needed: 68

Row 1 (1 - 3)



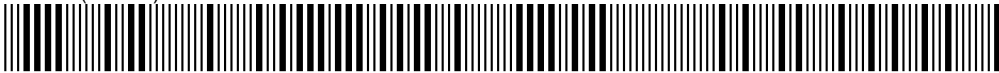
Row 2 (4 - 11)



Row 3 (12 - 21)



Row 4 (22 - 28)



Row 5 (29 - 36)



Row 6 (37 - 40)



Row 7 (41 - 50)



Row 8 (51 - 58)



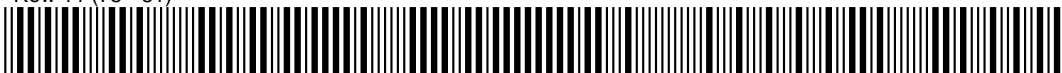
Row 9 (59 - 66)



Row 10 (67 - 74)



Row 11 (75 - 81)



Row 12 (81 - 85)



Row 13 (85 - 86)



Row 14 (87 - 89)



Row 15 (90 - 97)



Row 16 (98 - 103)



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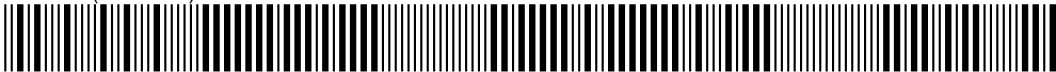
Row 17 (104 - 108)



Row 18 (109 - 113)



Row 19 (113 - 117)



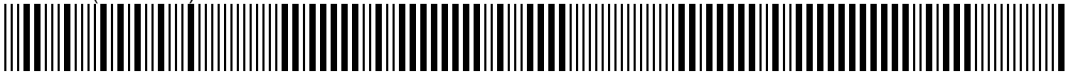
Row 20 (118 - 124)



Row 21 (125 - 130)



Row 22 (130 - 134)



Row 23 (134 - 138)



Row 24 (139 - 143)



Row 25 (143 - 147)



Row 26 (147 - 157)



Row 27 (158 - 166)



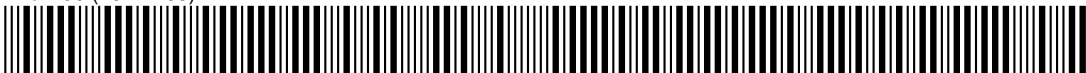
Row 28 (167 - 173)



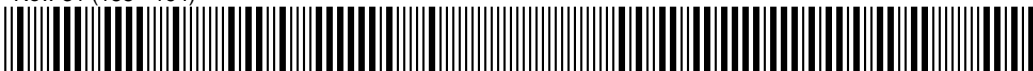
Row 29 (173 - 181)



Row 30 (181 - 188)



Row 31 (188 - 194)



Row 32 (195 - 202)



Row 33 (202 - 210)

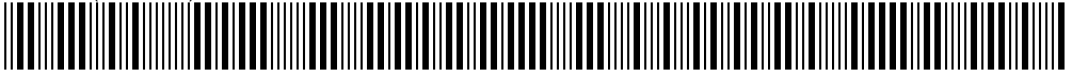


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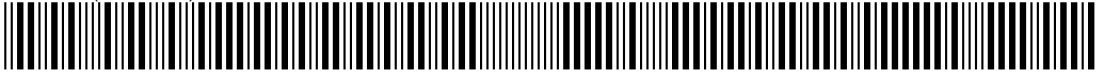
Row 34 (211 - 218)



Row 35 (219 - 227)



Row 36 (227 - 235)



Row 37 (235 - 236)

