

HP-41C Routine Listing of 8K PPC Custom ROM ML  
PPC Calculator Journal V8 N2 P1/5 Mar-Apr 1981

```
01 LBL "ML"      ;Memory Lost Resize to 017 - XROM 10,12
02 17
03 XEQ 13
04 16
05 -
06 LASTX
07 /
08 14
09 +
10 "\01\69"      ;0169 hex
11 XROM 10,11    ;DC (Decimal to Character)
12 >"\F0\EE"     ;Append F0EE hex
13 ASTO c
14 SREG 11       ;SigmaREG
15 FIX 2
16 XROM 10,60    ;GE (Go to .END.)
17 LBL "RF"      ;Reset Flags - XROM 10,13
18 "\2C\02\80\00" ;2C028000 hex
19 ASTO d
20 CF 03
21 CLA
22 RTN
23 LBL "~?"      ;~=Sigma - SigmaREG Finder - XROM 10,14
24 CLA
25 XROM 10,16    ;C? (Curtain Finder)
26 RCL N
27 XEQ 14
28 CLA
29 X<>Y
30 -
31 RTN
32 LBL "S?"      ;Size Finder - XROM 10,15
33 XROM 10,16    ;C? (Curtain Finder)
34 CHS
35 LBL 13
36 64
37 MOD
38 SF 25
39 LBL 02
40 RCL IND X
41 FC? 25
42 RTN
43 X<> L
44 +
45 GTO 02
46 LBL "C?"      ;Curtain Finder - XROM 10,16
47 RCL c
48 LBL 14
49 STO M
50 >"\00\00\41" ;Append 2 nulls, character A
51 X<> M
52 X<> d
53 CF 01
54 CF 02
55 CF 04
56 CF 07
57 FS?C 10
58 SF 07
59 FS?C 11
60 SF 09
61 FS?C 12
62 SF 10
63 FS?C 13
64 SF 11
65 FS?C 14
66 SF 13
67 FS?C 15
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68 SF 14
69 FS?C 16
70 SF 15
71 X<> d
72 E38
73 /
74 INT
75 DEC
76 RTN
77 LBL "DT" ;Display Test - XROM 10,17
78 "\F8\00\00\10\00\21\E8" ;F80000100021E8 hex
79 RCL M
80 " , , , , , , " ;Six commas
81 ASTO L
82 ARCL L
83 AON
84 PSE
85 AOFF
86 "\80\3A\80\3A\80\3A" ; (Boxed star, colon) x 3
87 ASTO L
88 ARCL L
89 ARCL L
90 ARCL L
91 X<> d
92 AVIEW
93 STOP
94 X<> d
95 RDN
96 CLD
97 RTN
98 LBL "AD" ;Alpha Delete Last Character - XROM 10,18
99 RCL P
100 RCL O
101 .
102 X<> N
103 >"*****" ;Append 6 asterisks
104 RCL N
105 CLA
106 STO M
107 ASTO X
108 RDN
109 STO M
110 RDN
111 STO N
112 RDN
113 STO O
114 .1
115 STO P
116 ASHF
117 ARCL Z
118 RTN
119 LBL "XE" ;XROM Entry - XROM 10,19
120 XEQ 14
121 LBL 14
122 >"***" ;Append 2 asterisks
123 STO N
124 RDN
125 SF 14
126 RCL b
127 X<> N
128 FC? 14
129 CLA
130 FC?C 14
131 RTN
132 >"****" ;Append 3 asterisks
133 X<> M
134 X<> N
135 X<> M
136 >"***" ;Append 2 asterisks
137 STO N

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138 X<> O
139 X<> N
140 >"*"      ;Append 2 asterisks
141 X<> N
142 STO b
143 LBL "HD"   ;Hide Data Registers - XROM 10,20
144 SIGN
145 RDN
146 RCL c
147 "\10"     ;10 hex
148 X<> M
149 >"*"      ;Append 2 asterisks
150 STO N
151 RDN
152 ASTO IND L
153 SREG IND L ;SigmaREG
154 LBL "~C"   ;~=Sigma - SigmaREG Curtain Exchange - XROM 10,21
155 CLA
156 RCL c
157 STO O
158 STO M
159 >"A"
160 CLX
161 STO N
162 >"B"
163 STO M
164 >"CD"
165 X<> O
166 X<> d
167 SF 08
168 X<> d
169 X<> N
170 >"E"
171 X<> d
172 SCI IND N
173 X<> d
174 STO O
175 RDN
176 RCL c
177 SREG 00    ;SigmaREG
178 X<> c
179 STO M
180 >"F"
181 RDN
182 RCL N
183 >"GHI"
184 STO L
185 RDN
186 RCL c
187 STO M
188 X<> O
189 >"J"
190 STO M
191 >"K"
192 X<> L
193 STO M
194 >"L"
195 X<> N
196 X<> c
197 RDN
198 CLA
199 END

```

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```
01BEC600F3004D4C1117E0000D1116417643111440F20169A2
8BF37FF0EE9A7D990B9C02A2BCC205F3005246F42C0280009A
7EA9038785C602F3007E3F87A2909076E0000E87714185C802
F300533FA290540E16144BA8190390F3AD1985CE7440B300CA
03F300433F907D0F9175F47F000041CE75CE7EA901A902A904
A907AA0AA807AA0BA809AA0CA80AAA0DA80BAA0EA80DAA0FA8
0EAA10A80FCE7E1B131843685F85C409F3004454F7F8000010
0021E89075F62C2C2C2C2C2C9A749B748C898BF6803A803A80
3A9A749B749B749B74CE7E7E84CE7E757F85CA07F300414490
7890771ACE76F77F2A2A2A2A2A90768791759A7375917575
91767591771A119178889B7185C606F3005845E0000E0FF37F
2A2A917675A80E907CCE76AD0E87AB0E85F47F2A2A2ACE75CE
76CE75F37F2A2A9176CE77CE76F37F2A2ACE76917CC408F300
48447A75907DF110CE75F37F2A2A9176759AF499F4C803F300
7E4387907D91779175F27F41779176F27F429175F37F4344CE
77CE7EA808CE7ECE76F27F45CE7E9DF6CE7E917775907D9900
CE7D9175F27F46759076F47F474849917475907D9175CE77F2
7F4A9175F27F4BCE749175F27F4CCE76CE7D7587C20E090E
```

446 BYTES

## HP-41C PPC ROM ML Group PPC V8 N2 Page 1/5 Mar-Apr 1981

Program Registers Needed: 64

Row 1 (1 - 4)



Row 2 (5 - 12)



Row 3 (12 - 17)



Row 4 (17 - 21)



Row 5 (22 - 27)



Row 6 (27 - 33)



Row 7 (33 - 41)



Row 8 (42 - 47)



Row 9 (47 - 52)



Row 10 (53 - 59)



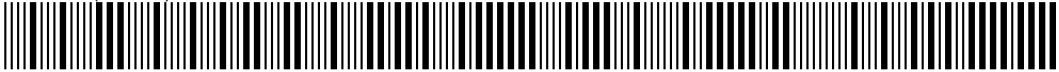
Row 11 (59 - 65)



Row 12 (66 - 72)



Row 13 (72 - 78)



Row 14 (78 - 80)



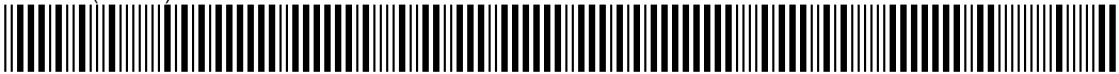
Row 15 (80 - 86)



Row 16 (86 - 91)



Row 17 (91 - 98)



Row 18 (98 - 103)



Row 19 (103 - 109)



Row 20 (110 - 117)



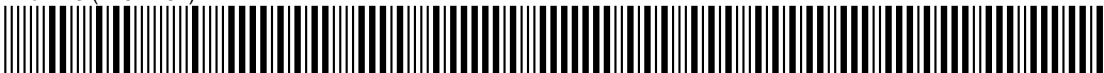
Row 21 (118 - 122)



Row 22 (122 - 128)



Row 23 (129 - 134)



Row 24 (135 - 140)



Row 25 (140 - 143)



Row 26 (144 - 150)



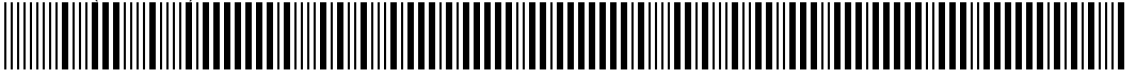
Row 27 (150 - 155)



Row 28 (156 - 162)



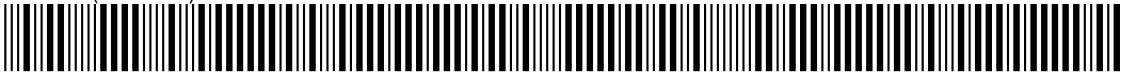
Row 29 (162 - 167)



Row 30 (167 - 173)



Row 31 (173 - 180)



Row 32 (180 - 185)



Row 33 (186 - 191)



Row 34 (191 - 197)



Row 35 (198 - 199)

