

HP-41C PPC ROM Byte-Loading Group by Roger Hill
PPC Calculator Journal V8 N2 Pg 38 Mar-Apr 1981

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01 LBL 00 ;PPC ROM Byte-Loading Group
02 STOP
03 GTO "++" ;Label and Plus Symbols to be Added by User
04 LBL "LB" ;Load Bytes
05 FS? 50
06 GTO 00
07 "DEC/HEX INPT"
08 XEQ "VA" ;View Alpha Register (PPC ROM Sub Group Line 82)
09 CF 08
10 GTO 13
11 LBL "L-" ;Load Half of LB
12 CLA
13 XEQ "VA" ;View Alpha Register (PPC ROM Sub Group Line 82)
14 CF 08
15 RCL a
16 STO M
17 RCL b
18 FS? 08
19 GTO 14
20 STO N
21 SF 08
22 LBL 13
23 RCL 11
24 CLST
25 STO 06
26 SIGN
27 ENTER
28 ENTER
29 R^
30 GTO "++" ;Label and Plus Symbols to be Added by User
31 LBL 00
32 RCL b
33 FC? 08
34 GTO 14
35 CLD
36 X<> M
37 STO a
38 X<> N
39 X<> b
40 LBL 14
41 STO M
42 >"*****" ;Append 5 asterisks
43 X<> N
44 XEQ "2D" ;2 Bytes to Decimal (PPC ROM Sub Group Line 35)
45 2
46 /
47 INT
48 LASTX
49 FRC
50 512
51 *
52 RCL M
53 +
54 7
55 *
56 +
57 115
58 X<>Y
59 -
60 7
61 XEQ "QR" ;Quotient and Remainder (Line 270)
62 ST- Z
63 X<>Y
64 CHS
65 STO 09
66 X<> Z
67 LASTX
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68 XEQ "QR" ;Quotient and Remainder (Line 270)
69 1.001
70 ST* 09
71 ST+ Y
72 FRC
73 ST* T
74 X<>Y
75 R^
76 +
77 *
78 X<>Y
79 X<=0?
80 GTO 10 ;3 Byte GTO 10: D0 00 0A Hex
81 ST+ 09
82 7
83 *
84 +
85 STO 07
86 XEQ "OM" ;Open Memory (PPC ROM Sub Group Line 63)
87 X<> c
88 STO 10
89 CLST
90 LBL 06
91 STO 11
92 CLA
93 LBL 07
94 ASTO 08
95 X<>Y
96 ISG 06
97 LBL 15
98 SF 09
99 FS? 08
100 RTN
101 CF 22
102 CF 23
103 FIX 00
104 CF 29
105 "#"
106 ARCL 06
107 >" OF "
108 ARCL 07
109 >"?"
110 XEQ "VA" ;View Alpha Register (PPC ROM Sub Group Line 82)
111 TONE 87
112 STOP
113 FS? 48
114 GTO 14
115 FC? 22
116 GTO 19
117 GTO 08
118 LBL 14
119 FC? 23
120 GTO 19
121 XEQ "XD" ;Hex to Decimal (Line 252)
122 LBL 08
123 X<0?
124 GTO 03 ;3 Byte GTO 03: D0 00 03 Hex
125 ENTER
126 CLA
127 ARCL 08
128 XEQ "DC" ;Decimal to Character (PPC Sub Group Line 1)
129 RCL 06
130 X<=0?
131 GTO 10
132 7
133 MOD
134 X#0?
135 GTO 07
136 X<>Y
137 RCL 09

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138 RCL 10
139 X<> c
140 RCL M
141 STO IND Z
142 X<>Y
143 X<> c
144 R^
145 RCL 08
146 DSE 09
147 GTO 06
148 ISG 09
149 LBL 20
150 CF 09
151 CLX
152 X<>Y
153 RCL 07
154 FRC
155 E3
156 *
157 AOFF
158 FIX 00
159 "SST, DEL 00"
160 ARCL X
161 FIX 03
162 XEQ "VA" ;View Alpha Register (PPC ROM Sub Group Line 82)
163 BEEP
164 GTO 00 ;3 Byte GTO 00: D0 00 00 Hex
165 LBL 01
166 RCL 06
167 X>0?
168 GTO 09
169 LBL 10
170 "SST, MORE +'S"
171 XEQ "VA" ;View Alpha Register (PPC ROM Sub Group Line 82)
172 TONE 83
173 GTO 00 ;3 Byte GTO 00: D0 00 00 Hex
174 LBL 03
175 "**CORRECTION*"
176 XEQ "VA" ;View Alpha Register (PPC ROM Sub Group Line 82)
177 TONE 6
178 FC? 09
179 GTO 01
180 DSE 06
181 GTO 14
182 ISG 06
183 GTO 10
184 LBL 14
185 RCL 06
186 7
187 MOD
188 X=0?
189 ISG 09
190 GTO 14
191 RCL 11
192 X=Y?
193 GTO 13
194 STO 08
195 RDN
196 STO 11
197 GTO 09
198 LBL 13
199 TONE 54
200 6
201 ST- 06
202 R^
203 GTO 15
204 LBL 14
205 CLA
206 ARCL 08
207 ARCL 10

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208 CLX
209 X<> N
210 STO M
211 ASTO 08
212 LBL 09
213 RDN
214 GTO 15
215 LBL "-B" ;Store Half of LB
216 FC? 08
217 GTO 15
218 FS? 09
219 GTO 08 ;3 Byte GTO 08: D0 00 08 Hex
220 LBL 19
221 RCL 06
222 X<=0?
223 GTO 10 ;3 Byte GTO 10: D0 00 0A Hex
224 CHS
225 ISG X
226 7
227 MOD
228 X=0?
229 GTO 14
230 CLA
231 ARCL 08
232 LBL 11
233 >"\00" ;Append 1 null
234 DSE X
235 GTO 11
236 X<> M
237 LBL 14
238 RCL 09
239 X<>Y
240 RCL 10
241 X<> c
242 X<>Y
243 LBL 12
244 STO IND Z
245 CLX
246 DSE Z
247 GTO 12
248 RDN
249 X<> c
250 RDN
251 GTO 20
252 LBL "XD" ;Hex to Decimal
253 >"\00\08" ;Append 0008 Hex
254 RCL M
255 E2
256 XEQ "QR" ;Quotient and Remainder (Line 270)
257 29
258 ST- Z
259 -
260 .9
261 ST* Z
262 *
263 INT
264 X<>Y
265 INT
266 16
267 *
268 +
269 RTN
270 LBL "QR" ;Quotient and Remainder
271 X<>Y
272 STO O
273 X<>Y
274 MOD
275 ST- O
276 LASTX
277 ST/ O

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278 CLX
279 X<> O
280 X<>Y
281 END

022E01841DF22B2BC401F3004C42AC32B100FC4445432F4845
5820494E50541EF25641A908BE00C604F3004C2D871EF25641
A908907B9175907CAC08BF009176A8080E2B73367A8383741D
F22B2B01907CAD08BF007FCE75917BCE76CE7C0F9175F67F2A
2A2A2A2ACE761EF23244124368766915111242907540174240
1111157141171EF251529371715439CE71761EF25152111A10
10119409927269947071744042717BD0000A9209174240371E
F24F4DCE7D3A73073B87089A08719606CF0FA809AC0885A916
A9179C00A91DF1239B06F57F204F46209B07F27F3F1EF25641
9F5784AC30BF00AD16D00013B9000FAD17D000131EF2584409
66B40083879B081EF24443267BBB00174B63B80071292ACE7D
907591F171CE7D74289709B7009609CF14A909777127691B13
428B9C00FB5353542C2044454C2030309B739C031EF2564186
D00000022664BA000BFD5353542C204D4F5245202B27531EF2
56419F53D0000004FC2A434F5252454354494F4E2A1EF25641
9F06AD09B2009706BF009606BB000F26174B679609BF002B78
BE0038753BBA000E9F3616930674D0000F0F879B089B0A77CE
7691759A080A75D0000FC838F3002D42AD08D0000FAC09D000
08CF13267BD0000A549673174B67BF00879B080CF27F009773
BC00CE750F29712ACE7D710D91F1779771BD0075CE7D75D000
14C609F3005844F37F000890751B121EF2515212199371411A
199471426871681116424085C205F3005152719177714B9377
76957777CE7771CC020936

558 BYTES

HP-41C PPC ROM Byte-Loading by Roger Hill PPC V8 N2 P38 Mar-Apr 1981

Program Registers Needed: 80

Row 1 (1 - 5)



Row 2 (5 - 7)



Row 3 (7 - 11)



Row 4 (11 - 15)



Row 5 (16 - 22)



Row 6 (23 - 32)



Row 7 (32 - 39)



Row 8 (39 - 43)



Row 9 (44 - 51)



Row 10 (52 - 61)



Row 11 (61 - 68)



Row 12 (68 - 73)



Row 13 (73 - 82)



Row 14 (83 - 91)



Row 15 (92 - 99)



Row 16 (100 - 106)



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Row 17 (107 - 110)



Row 18 (110 - 116)



Row 19 (116 - 121)



Row 20 (122 - 129)



Row 21 (130 - 139)



Row 22 (140 - 147)



Row 23 (148 - 156)



Row 24 (157 - 159)



Row 25 (159 - 164)



Row 26 (164 - 170)



Row 27 (170 - 172)



Row 28 (172 - 175)



Row 29 (175 - 178)



Row 30 (179 - 186)



Row 31 (187 - 196)



Row 32 (197 - 204)



Row 33 (205 - 212)



HP-41C PPC ROM Byte-Loading by Roger Hill PPC V8 N2 P38 Mar-Apr 1981

Row 34 (213 - 217)



Row 35 (217 - 223)



Row 36 (223 - 232)



Row 37 (233 - 240)



Row 38 (241 - 249)



Row 39 (249 - 253)



Row 40 (253 - 258)



Row 41 (258 - 267)



Row 42 (268 - 274)



Row 43 (275 - 281)

