

HP-41C Routine Listing of 8K PPC Custom ROM BL  
PPC Calculator Journal V8 N2 P2/5 Mar-Apr 1981

```
01 LBL "BL"      ;BLDSPEC Inputs for LB - XROM 10,42
02 2
03 STO M
04 X^2
05 X^2
06 X<>Y
07 LBL 02
08 128
09 RCL M
10 ST+ M
11 /
12 XROM 10,54 ;QR (Quotient Remainder)
13 RCL M
14 *
15 X<> Z
16 +
17 STOP
18 X<>Y
19 RDN
20 GTO 02
21 LBL "FL"      ;Flag Inputs for LB - XROM 10,43
22 CLA
23 CLST
24 LBL 00
25 STOP
26 RCL X
27 8
28 XROM 10,54 ;QR (Quotient Remainder)
29 LBL 01
30 X<> M
31 X#Y?
32 GTO 13
33 X<> M
34 7
35 X<>Y
36 -
37 2
38 X<>Y
39 Y^X
40 ST+ N
41 E
42 X=Y?
43 XEQ 14
44 R^
45 CHS
46 GTO 00
47 LBL 13
48 X<> M
49 ENTER
50 XEQ 14
51 RDN
52 GTO 01
53 LBL 14
54 CLX
55 X<> N
56 ISG M
57 ""           ;F0=null string (NOP)
58 TONE 7
59 STOP
60 RTN
61 LBL "BI"      ;Block Increment - XROM 10,44
62 -
63 LBL 10
64 LASTX
65 +
66 STO IND Y
67 ISG Y
```

```

68 GTO 10
69 RTN
70 LBL "IP"      ;Initialize Page - XROM 10,45
71 XEQ 14
72 R^
73 X<> c
74 RDN
75 RTN
76 LBL "PS"      ;Page Switch - XROM 10,46
77 E3
78 /
79 +
80 ASTO Y
81 XEQ 14
82 FRC
83 E3
84 ST* Y
85 RDN
86 RCL d
87 FIX 0
88 CF 29
89 " "          ;1 space
90 ARCL L
91 >" OFF;"
92 ARCL Y
93 >" ON"
94 STO d
95 X<> L
96 INT
97 FC? 10
98 PROMPT
99 FC? 10
100 GTO 13
101 FS? 24
102 RTN
103 XROM 10,32 ;TN (Tone N)
104 XROM 10,32 ;TN (Tone N)
105 R^
106 R^
107 LBL 13
108 240
109 RDN
110 CLX
111 X<> IND T
112 STO c
113 XEQ IND Z
114 XROM 10,60 ;GE (Go to .END.)
115 LBL 14
116 XROM 10,62 ;E? (.END. Finder)
117 257
118 -
119 X<0?
120 GTO 14
121 R^
122 SIGN
123 R^
124 R^
125 SREG T      ;SigmaREG
126 XROM 10,58 ;OM (Open Memory)
127 STO M
128 240
129 ASTO IND X
130 R^
131 R^
132 RTN
133 LBL 14
134 ENTER
135 XROM 10,15 ;S? (Size Finder)
136 +
137 "OVERSIZE"

```

```

138 XROM 10,07 ;VA (View Alpha)
139 XROM 10,60 ;GE (Go to .END.)
140 LBL "T1"      ;Beep Alternative - XROM 10,47
141 TONE 57
142 TONE 57
143 TONE 57
144 TONE 89
145 TONE 89
146 TONE 89
147 TONE 57
148 TONE 89
149 TONE 89
150 TONE 57
151 TONE 89
152 TONE 89
153 TONE 89
154 RTN
155 LBL "MS"      ;Memory to Stack - XROM 10,48
156 4
157 ST+ 06
158 RCL IND 06
159 SIGN
160 DSE 06
161 RCL IND 06
162 DSE 06
163 RCL IND 06
164 DSE 06
165 RCL IND 06
166 DSE 06
167 RCL IND 06
168 END

```

```

013CC600F300424C129175515171031112189075927543A2B6
907542CE7140847175B300CC04F300464C87730184907318A2
B602CE7579BE00CE7517714112715392761B78E0000E7454B1
000ECE7583E0000E75B2000F77CE769675F09F078485CA08F3
004249410B764091F29672BB0085C602F3004950E0000E74CE
7D7585C002F30050531B1343409A72E0000E691B1394727590
7E9C00A91DF1209B74F67F204F46463B9B72F47F204F4E917E
CE7468AD0A8EAD0ABE00AC1885A2A0A2A074740E1214107577
CEF0917DAEF1A2BC0FA2BE1215174166BF00747A74749970A2
BA91751214109AF37474850F83A28F40F84F56455253495A45
A287A2BCC012F30054319F399F399F399F599F599F599F399F
599F599F399F599F599F5985CA04F3004D5314920690867A97
069086970690869706908697069086C00409BB

```

316 BYTES

Program Registers Needed: 46

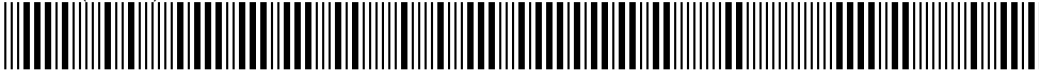
Row 1 (1 - 7)



Row 2 (8 - 14)



Row 3 (15 - 21)



Row 4 (21 - 30)



Row 5 (31 - 40)



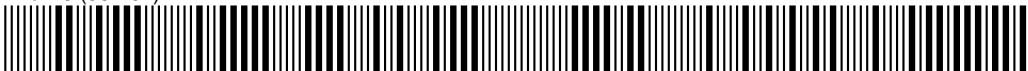
Row 6 (41 - 49)



Row 7 (50 - 57)



Row 8 (58 - 64)



Row 9 (65 - 70)



Row 10 (70 - 76)



Row 11 (76 - 83)



Row 12 (83 - 90)



Row 13 (90 - 93)



Row 14 (93 - 100)



Row 15 (100 - 108)



Row 16 (108 - 116)



Row 17 (116 - 125)



Row 18 (125 - 132)



Row 19 (133 - 137)



Row 20 (137 - 141)



Row 21 (142 - 148)



Row 22 (148 - 155)



Row 23 (155 - 160)



Row 24 (161 - 167)



Row 25 (167 - 168)

