

HP-41C Routine Listing of 8K PPC Custom ROM BD  
PPC Calculator Journal V8 N2 P4/5 Mar-Apr 1981

```
01 LBL "BD"      ;Base B to Base Decimal - XROM 20,17
02 LBL A
03 CLST
04 LBL 01
05 >" "          ;Append 1 space
06 X<> O
07 X=0?
08 GTO 01
09 X<> M
10 R^
11 X<> N
12 >"\00\08"     ;Append 1 null, 08 hex
13 X<> N
14 RDN
15 X<> M
16 E
17 *
18 39
19 -
20 X>0?
21 DSE X
22 9
23 +
24 X<0?
25 GTO 02
26 X<>Y
27 RCL 06
28 *
29 +
30 .
31 GTO 01
32 LBL 02
33 RDN
34 CLA
35 RTN
36 LBL B
37 LBL "TB"       ;Base Ten to Base B - XROM 20,18
38 "'            " ;1 apostrophe, 13 spaces
39 RCL M
40 X<>Y
41 LBL 03
42 ENTER
43 INT
44 RCL 06
45 MOD
46 9
47 -
48 X>0?
49 ISG X
50 LBL 04
51 39
52 +
53 10^X
54 STO O
55 >" "          ;Append 6 spaces
56 CLX
57 X<> O
58 X<> N
59 STO M
60 RDN
61 RCL 06
62 /
63 INT
64 X#0?
65 GTO 03
66 LBL 05
67 >" "          ;Append 1 space
```

```

68 CLX
69 RCL M
70 X#Y?
71 GTO 05
72 CLX
73 X<> O
74 X<> N
75 STO M
76 CLST
77 FS? 10
78 XROM 10,07 ;VA (View Alpha)
79 RTN
80 LBL C
81 LBL "PM" ;Permutations - XROM 20,19
82 CHS
83 X<>Y
84 SIGN
85 X<> L
86 ST+ Y
87 LBL 06
88 X=Y?
89 GTO 07
90 ST* L
91 DSE X
92 GTO 06
93 LBL 07
94 RDN
95 X<> L
96 RTN
97 LBL D
98 LBL "CM" ;Combinations - XROM 20,20
99 RCL Y
100 RCL Y
101 X#Y?
102 -
103 X>Y?
104 X<>Y
105 ST+ T
106 SIGN
107 X<>Y
108 LBL 08
109 X<> T
110 LASTX
111 ST- Y
112 /
113 ST* Y
114 DSE L
115 GTO 08
116 RDN
117 RTN
118 LBL E
119 LBL "CJ" ;Calendar Date to Julian Day Number - XROM 20,21
120 INT
121 X<>Y
122 INT
123 2.85
124 -
125 12
126 /
127 R^
128 INT
129 +
130 X<0?
131 SQRT
132 ENTER
133 INT
134 ST- Z
135 X<>Y
136 367
137 *

```

```
138 INT
139 ST+ Z
140 SIGN
141 FS? 10
142 ISG X
143 %
144 INT
145 .75
146 ST* Z
147 *
148 RDN
149 -
150 INT
151 R^
152 -
153 INT
154 1721115
155 +
156 RTN
157 LBL e
158 LBL "JC" ;Julian Day Number to Calendar Date - XROM 20,22
159 INT
160 1721119.2
161 -
162 ENTER
163 FS? 10
164 -2
165 FS? 10
166 GTO 09
167 36524.25
168 /
169 INT
170 ST+ Y
171 4
172 /
173 INT
174 LBL 09
175 -
176 X<0?
177 SQRT
178 STO Y
179 365.25
180 ST/ Y
181 X<>Y
182 INT
183 ST* Y
184 RDN
185 INT
186 -
187 .3
188 -
189 STO Y
190 30.6
191 ST/ Y
192 X<>Y
193 INT
194 *
195 ST- Y
196 ISG Y
197 X<> L
198 -3
199 X^2
200 X<Y?
201 ISG T
202 X<> L
203 -
204 X<>Y
205 INT
206 END
```

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0173C600F3004244CF667302F27F20CE7767B200CE7574CE76  
F37F0008CE7675CE751B42131941649773194066B300712642  
401AB20003758785CF67C408F3005442FE27202020202020  
202020202020907571048368264B1941649673051319405791  
77F77F20202020202077CE77CE7691757526436863B40006F2  
7F2077907579B60077CE77CE76917573AC0AA28785CF68C80C  
F300504D54717ACE7492720778B80094749773B7000875CE74  
85CF69C404F300434D907290727941457192707A7109CE7076  
93724394729774B9007585CF6AC005F300434A687168121A18  
154111124374684066528368937171131617426892717AAC0A  
96734C681A1715947142754168744168111712111111154085  
CF7FC209F3004A4368111712111111191A124183AC0A1C12AC  
0ABA0013161512141A1215436892721443680A416652917213  
16151A12159572716894727568411A1341917213101A169572  
71684293729672CE741C1351449670CE74417168C40D09CE

371 BYTES

Program Registers Needed: 53

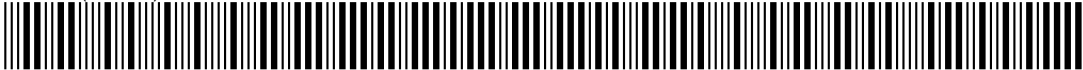
Row 1 (1 - 5)



Row 2 (6 - 12)



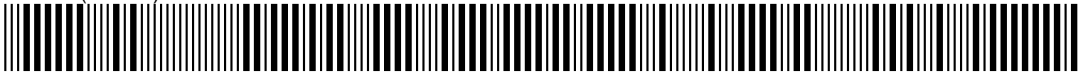
Row 3 (12 - 21)



Row 4 (21 - 31)



Row 5 (32 - 38)



Row 6 ( 38 )



Row 7 (38 - 49)



Row 8 (49 - 55)



Row 9 (55 - 62)



Row 10 (63 - 71)



Row 11 (71 - 78)



Row 12 (79 - 85)



Row 13 (85 - 92)



Row 14 (93 - 98)



Row 15 (99 - 108)



Row 16 (109 - 116)



Row 17 (117 - 123)



Row 18 (123 - 132)



Row 19 (133 - 141)



Row 20 (141 - 149)



Row 21 (150 - 156)



Row 22 (157 - 160)



Row 23 (160 - 165)



Row 24 (166 - 170)



Row 25 (170 - 179)



Row 26 (179 - 187)



Row 27 (187 - 194)



Row 28 (195 - 202)



Row 29 (202 - 206)

