

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

```
01 LBL "VK"      ;View Key Assignments - XROM 10,36
02 SF 21
03 FS? 55
04 XROM 29,12 ;PRKEYS
05 FS? 55
06 RTN
07 CF 21
08 8
09 RCL R
10 XEQ 07
11 >"\10\F0"    ;Append 10F0 hex
12 X<> M
13 X<> d
14 RCL e
15 XEQ 07
16 >"\20\F0"    ;Append 20F0 hex
17 X<> Z
18 X<> M
19 LBL 01
20 -27.00008
21 RCL M
22 -
23 STO N
24 RDN
25 LBL 02
26 FC? IND N
27 FC? 50
28 GTO 05
29 X<> d
30 FC? IND N
31 FC? 50
32 GTO 05
33 X<> d
34 LBL 03
35 ISG N
36 GTO 02
37 DSE M
38 GTO 01
39 X<>Y
40 LBL 04
41 STO d
42 CLST
43 CLA
44 PSE
45 CLD
46 RTN
47 LBL 05
48 X<> d
49 35
50 RCL N
51 INT
52 +
53 OCT
54 1
55 ST+ Y
56 %
57 +
58 10
59 MOD
60 LASTX
61 *
62 INT
63 STO a
64 43
65 -
66 ABS
67 1
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68 X<Y?
69 ST+ a
70 FS? 42
71 FC? IND N
72 CHS
73 ABS
74 X<> M
75 RDN
76 X<> N
77 RDN
78 " " ;1 space
79 FC? 42
80 " -" ;4 spaces, 1 dash
81 FS? 50
82 X<> d
83 X<>Y
84 FC? 50
85 GTO 04
86 X<> d
87 X<> Q
88 CLX
89 RCL d
90 FIX 0
91 CF 29
92 ARCL a
93 ISG L
94 GTO 06
95 "> -" ;Append 1 space, 1 dash
96 ARCL a
97 LBL 06
98 STO d
99 X<> Q
100 AVIEW
101 TONE 70
102 R^
103 STO N
104 R^
105 STO M
106 RDN
107 RDN
108 X<> d
109 X<>Y
110 FS? 42
111 X<> d
112 GTO 03
113 LBL 07
114 CLA
115 X<> M
116 ">*****" ;Append 5 asterisks
117 X<> N
118 X<> M
119 RTN
120 LBL "AL" ;Alphabetize X and Y - XROM 10,37
121 CLA
122 CF 10
123 XEQ 14
124 XEQ 14
125 X=Y?
126 XEQ 13
127 CLA
128 SF 10
129 X<=Y?
130 CF 10
131 FC?C 25
132 GTO 12
133 X<=Y?
134 RTN
135 X<> IND T
136 X<> IND Z
137 X<> IND T

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138 RTN
139 LBL 12
140 X<=Y?
141 GTO 12
142 R^
143 X<> Z
144 LBL 12
145 R^
146 R^
147 RTN
148 LBL 13
149 R^
150 R^
151 SF 10
152 XEQ 14
153 LBL 14
154 SF 25
155 ARCL IND Y
156 FC? 25
157 ARCL Y
158 >"\00\00\00\00\00" ;Append 5 nulls
159 ASTO L
160 ARCL L
161 >"\00\00\00\00\00" ;Append 5 nulls
162 .
163 FC? 10
164 GTO 14
165 STO N
166 >"\00\00" ;Append 2 nulls
167 LBL 14
168 STO M
169 >"\00\00" ;Append 2 nulls
170 X<> N
171 RTN
172 LBL "NC" ;Nth Character - XROM 10,38
173 CF 25
174 GTO 14
175 LBL "SU" ;Substitute Character - XROM 10,39
176 SF 25
177 LBL 14
178 INT
179 E1
180 X<>Y
181 -
182 RCL d
183 SCI IND Y
184 ARCL Y
185 STO d
186 RDN
187 X<> O
188 FS? 25
189 RCL P
190 >"*" ;Append 1 asterisk
191 FC?C 25
192 GTO 14
193 X<> Z
194 STO O
195 >"*****" ;Append 6 asterisks
196 X<> Z
197 STO P
198 RDN
199 X<> O
200 X<> N
201 STO M
202 DSE L
203 CLX
204 X<> L
205 10^X
206 RCL d
207 FIX 0

```

```

208 CF 29
209 ARCL Y
210 STO d
211 RDN
212 CLX
213 ISG L
214 CLX
215 X<> P
216 STO N
217 CLX
218 X<> O
219 STO M
220 RDN
221 RTN
222 LBL 14
223 X<> O
224 CLA
225 STO M
226 ASTO X
227 END

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```

01B7C600F300564BA815AC37A74CAC3785A91518907AE00007
F37F10F0CE75CE7E907FE00007F37F20F0CE71CE75021C1217
1A101010101890754191767503ADF6AD32B600CE7EADF6AD32
B600CE7E049676B3009775B2007105917E7387897F8506CE7E
1315907668406F1192724C4011104B764268917B1413416111
44927BAC2AADF65461CE7575CE7675F120AD2AF5202020202D
AC32CE7E71AD32B500CE7ECE7977907E9C00A91D9B7B9674B7
00F37F202D9B7B07917ECE797E9F467491767491757575CE7E
71AC2ACE7ED000030887CE75F67F2A2A2A2ACE76CE7585CA
1FF300414C87A90AE0000EE0000E78E0000D87A80A46A90AAB
19BD004685CEF0CEF1CEF0850D46BD0074CE710D7474850E74
74A80AE0000E0FA8199BF2AD199B72F67F000000000009A749B
74F67F00000000001AAD0ABF009176F37F00000F9175F37F00
00CE7685C00FF3004E43A919BF00C601F3005355A8190F681B
117141907E9DF29B72917E75CE77AC199078F27F2AAB19BF00
CE719177F77F2A2A2A2A2ACE71917875CE77CE7691759774
77CE7457907E9C00A91D9B72917E7577967477CE78917677CE
77917575850FCE778791759A73C20E09E9

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438 BYTES

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Program Registers Needed: 63

Row 1 (1 - 5)



Row 2 (5 - 11)



Row 3 (11 - 16)



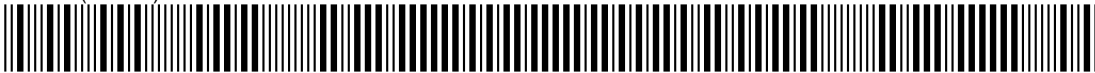
Row 4 (16 - 20)



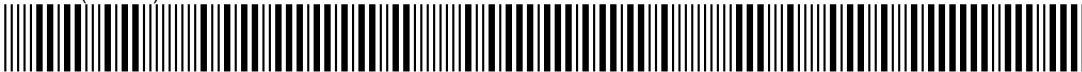
Row 5 (20 - 27)



Row 6 (28 - 34)



Row 7 (35 - 42)



Row 8 (43 - 52)



Row 9 (53 - 63)



Row 10 (63 - 71)



Row 11 (72 - 80)



Row 12 (80 - 85)



Row 13 (85 - 92)



Row 14 (92 - 98)



Row 15 (98 - 106)



Row 16 (107 - 115)



Row 17 (115 - 119)



Row 18 (120 - 124)



Row 19 (124 - 131)



Row 20 (131 - 139)



Row 21 (140 - 150)



Row 22 (151 - 157)



Row 23 (157 - 161)



Row 24 (161 - 165)



Row 25 (166 - 170)



Row 26 (171 - 175)



Row 27 (175 - 182)



Row 28 (182 - 189)



Row 29 (189 - 195)



Row 30 (195 - 199)



Row 31 (199 - 206)



Row 32 (207 - 214)



Row 33 (215 - 223)



Row 34 (223 - 227)

