

```
01 LBL "II" ;Compute Barcode Check Sums
02 CF 21
03 CF 28
04 CF 29
05 CLRG
06 "1"
07 ASTO X
08 "NON-"
09 LBL 00
10 >"PRIVATE"
11 STO 17
12 AVIEW
13 RTN
14 "2"
15 ASTO X
16 " " ;1 space
17 GTO 00
18 LBL "JJ" ;Start New Row
19 1
20 ST+ 18
21 RCL 18
22 1
23 -
24 16
25 MOD
26 XEQ "DH" ;Decimal to Hex (Line 215)
27 ASTO X
28 CLA
29 ARCL 17
30 ARCL X
31 22
32 STO 19
33 GTO 02
34 LBL 01
35 " ?? B:"
36 RCL 19
37 20
38 -
39 ARCL X
40 >" R:"
41 ARCL 18
42 AON
43 STOP
44 LBL 02
45 ASTO IND 19
46 1
47 ST+ 19
48 RCL 19
49 37
50 X#Y?
51 GTO 01
52 22
53 LBL 03
54 STO 19
55 XEQ "HBD" ;Hex to Binary and Decimal (Line 118)
56 RCL 00
57 +
58 STO Y
59 256
60 MOD
61 STO 00
62 X#Y?
63 ISG 00
64 ABS
65 37
66 RCL 19
67 1
```

```

68 +
69 X#Y?
70 GTO 03
71 RCL 00
72 16
73 MOD
74 XEQ "DH" ;Decimal to Hex (Line 215)
75 ASTO 21
76 RCL 00
77 16
78 /
79 INT
80 XEQ "DH" ;Decimal to Hex (Line 215)
81 ARCL 21
82 ASTO 21
83 21
84 STO 19
85 XEQ "HBD" ;Hex to Binary and Decimal (Line 118)
86 SF 21
87 ADV
88 "ROW: "
89 ARCL 18
90 XROM 29,08 ;PRA
91 1
92 LBL 04
93 STO 19
94 " " ;4 spaces
95 RCL IND 19
96 1 E8
97 /
98 FIX 8
99 ARCL X
100 ASHF
101 ">" = BYTE "
102 FIX 0
103 ARCL 19
104 ">" = "
105 RCL 19
106 20
107 +
108 ARCL IND X
109 XROM 29,08 ;PRA
110 17
111 RCL 19
112 1
113 +
114 X#Y?
115 GTO 04
116 CF 21
117 GTO "JJ" ;Start New Row (Line 18)
118 LBL "HBD" ;Hex to Binary and Decimal
119 " " ;5 spaces
120 ARCL IND 19
121 ASTO 39
122 XEQ "R" ;Hex Digit to Binary & Decimal (Line 144)
123 STO 37
124 X<>Y
125 STO 38
126 " " ;1 space
127 ARCL 39
128 XEQ "R" ;Hex Digit to Binary & Decimal (Line 144)
129 1 E4
130 *
131 RCL 37
132 +
133 RCL 19
134 20
135 -
136 X<>Y
137 STO IND Y

```

```
138 RCL Z
139 16
140 *
141 RCL 38
142 +
143 RTN
144 LBL "R" ;Hex Digit to Binary & Decimal
145 ASHF
146 ASTO X
147 ARCL X
148 ASTO X
149 XEQ IND X
150 RTN
151 LBL "00" ;Hex digit 0
152 0
153 ENTER
154 RTN
155 LBL "11" ;Hex digit 1
156 1
157 ENTER
158 RTN
159 LBL "22" ;Hex digit 2
160 2
161 10
162 RTN
163 LBL "33" ;Hex digit 3
164 3
165 11
166 RTN
167 LBL "44" ;Hex digit 4
168 4
169 100
170 RTN
171 LBL "55" ;Hex digit 5
172 5
173 101
174 RTN
175 LBL "66" ;Hex digit 6
176 6
177 110
178 RTN
179 LBL "77" ;Hex digit 7
180 7
181 111
182 RTN
183 LBL "88" ;Hex digit 8
184 8
185 1000
186 RTN
187 LBL "99" ;Hex digit 9
188 9
189 1001
190 RTN
191 LBL "AA" ;Hex digit A
192 10
193 1010
194 RTN
195 LBL "BB" ;Hex digit B
196 11
197 1011
198 RTN
199 LBL "CC" ;Hex digit C
200 12
201 1100
202 RTN
203 LBL "DD" ;Hex digit D
204 13
205 1101
206 RTN
207 LBL "EE" ;Hex digit E
```

```

208 14
209 1110
210 RTN
211 LBL "FF" ;Hex digit F
212 15
213 1111
214 RTN
215 LBL "DH" ;Decimal to Hex
216 FIX 0
217 CLA
218 10
219 X>Y?
220 ARCL Y
221 X=Y?
222 "A"
223 X<>Y
224 11
225 X=Y?
226 "B"
227 X<>Y
228 12
229 X=Y?
230 "C"
231 X<>Y
232 13
233 X=Y?
234 "D"
235 X<>Y
236 14
237 X=Y?
238 "E"
239 X<>Y
240 15
241 X=Y?
242 "F"
243 RTN
244 END

```

```

023EC000F3004949A915A91CA91D8AF1319A73F44E4F4E2D01
F87F5052495641544591117E85F1329A73F120B100C000F300
4A4A1192129012114111164B1EF244489A73879B119B731212
9113B30002F6203F3F20423A90131210419B73F47F20523A9B
128C84039A931192139013131779B20012120491131EF34842
44204091721215164B307996006113179013114079B4002011
164B1EF244489A1520111643681EF244489B159A1512119113
1EF3484244A8158FF5524F573A209B12A74811059113F42020
20209093111B18439C089B7388F97F203D2042595445209C00
9B13F47F203D2090131210409BF3A74811179013114079B500
A9151DF24A4AC000F400484244F520202020209B939A271EF1
529125719126F1209B271EF152111B14429025409013121041
7191F2907111164290264085C000F20052889A739B739A73AE
F385C000F3003030108385C000F3003131118385C000F30032
321200111085C000F30033331300111185C000F30034341400
11101085C000F3003535150011101185C000F3003636160011
111085C000F300373717001111185C000F300383818001110
101085C000F300393919001110101185C000F3004141111000
1110111085C000F30042421111001110111185C000F3004343
111200111101085C000F3004444111300111101185C000F3
004545111400111111085C000F3004646111500111111185
C000F30044489C00871110459B7278F14171111178F1427111
1278F14371111378F14471111478F14571111578F14685C000
0DB5

```

574 BYTES

# HP-41C Barcode Check Sums by John Kennedy PPC V7 N5 P31 June 1980

Program Registers Needed: 82

Row 1 (1 - 5)



Row 2 (6 - 10)



Row 3 (10 - 15)



Row 4 (15 - 20)



Row 5 (20 - 27)



Row 6 (27 - 34)



Row 7 (35 - 39)



Row 8 (39 - 45)



Row 9 (46 - 53)



Row 10 (54 - 59)



Row 11 (59 - 68)



Row 12 (69 - 75)



Row 13 (76 - 82)



Row 14 (83 - 88)



Row 15 (88 - 93)

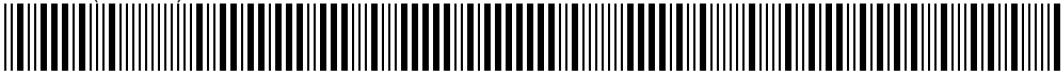


Row 16 (94 - 98)



# HP-41C Barcode Check Sums by John Kennedy PPC V7 N5 P31 June 1980

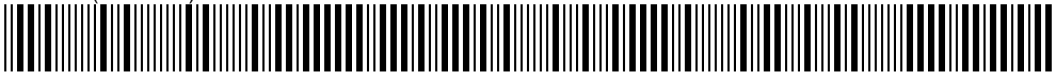
Row 17 (99 - 101)



Row 18 (102 - 106)



Row 19 (107 - 115)



Row 20 (115 - 118)



Row 21 (118 - 122)



Row 22 (122 - 128)



Row 23 (129 - 136)



Row 24 (137 - 144)



Row 25 (144 - 150)



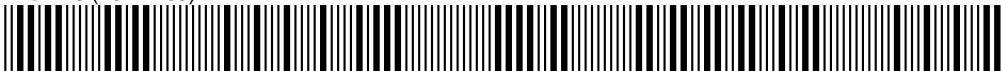
Row 26 (151 - 155)



Row 27 (155 - 160)



Row 28 (161 - 165)



Row 29 (166 - 170)



Row 30 (171 - 175)



Row 31 (175 - 179)



Row 32 (179 - 183)



Row 33 (183 - 187)



# HP-41C Barcode Check Sums by John Kennedy PPC V7 N5 P31 June 1980

Row 34 (187 - 191)



Row 35 (191 - 195)



Row 36 (195 - 199)



Row 37 (199 - 202)



Row 38 (203 - 205)



Row 39 (206 - 209)



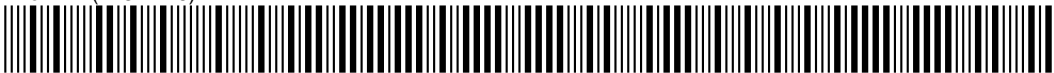
Row 40 (209 - 213)



Row 41 (213 - 218)



Row 42 (218 - 226)



Row 43 (227 - 235)



Row 44 (236 - 244)



Row 45 ( 244 )

