

HP-41C Barcode Checksum Program by Walter Steffen
PPC Calculator Journal Vol 8 No 2 P9 Mar-Apr 1981

```
01 LBL "CK SUM"      ;Barcode Checksum Program
02 LBL A
03 "NO. BYTES?"
04 PROMPT
05 E-3
06 *
07 2.001
08 FC? 01
09 DSE X
10 LBL 00
11 +
12 STO 01
13 FIX 0
14 CF 29
15 CLX
16 CLA
17 FS?C 01
18 GTO 06
19 GTO 07
20 LBL "BT"          ;Barcode Total
21 CLST
22 >"              " ;Append 12 spaces
23 LBL 01
24 >" "             ;Append 1 space
25 X<> 0
26 X=0?
27 GTO 01
28 X<> M
29 R^
30 X<> N
31 >"\00\08"        ;Append 0008 hex
32 X<> N
33 RDN
34 X<> M
35 E
36 *
37 39
38 -
39 X>0?
40 DSE X
41 9
42 +
43 X<0?
44 GTO 02
45 X<>Y
46 16
47 *
48 +
49 .
50 GTO 01
51 LBL 02
52 RDN
53 CLA
54 RCL 00
55 +
56 255
57 X<Y?
58 ST- Y
59 RDN
60 LBL 07
61 STO 00
62 ISG 01
63 GTO 06
64 GTO B
65 LBL 06
66 "B:"
67 ARCL 01
```

```

68 >" HEX NO.?"
69 AON
70 PROMPT
71 AOFF
72 CF 21
73 VIEW 00
74 SF 21
75 GTO "BT"          ;Barcode Total (Line 20)
76 LBL B
77 SF 12
78 8
79 STO 01
80 RDN
81 VIEW X
82 LBL "TB"          ;Base Ten to Binary
83 "'               " ;1 apostrophe, 13 spaces
84 RCL M
85 X<>Y
86 LBL 03
87 ENTER
88 INT
89 2
90 MOD
91 9
92 -
93 X>0?
94 ISG X
95 LBL 04
96 39
97 +
98 10^X
99 STO 0
100 >"             " ;Append 6 spaces
101 CLX
102 X<> 0
103 X<> N
104 STO M
105 RDN
106 2
107 /
108 INT
109 DSE 01
110 GTO 03
111 LBL 05
112 >"             " ;Append 1 space
113 CLX
114 RCL M
115 X#Y?
116 GTO 05
117 CLX
118 X<> 0
119 X<> N
120 STO M
121 CLST
122 AVIEW
123 RTN
124 SF 01
125 GTO A
126 END

```

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010DC000F700434B2053554DCF66FA4E4F2E2042595445533F
8E1B1C1342121A101011AD0197730140319C00A91D7787AA01
B700B800C000F300425473FD7F2020202020202020202020
02F27F20CE7767B200CE7574CE76F37F0008CE7675CE751B42
131941649773194066B30071111642401AB200037587204012
15154493727508309601B700D0006707F2423A9B01FA7F2048
4558204E4F2E3F8C8E8BA9159800A8151DF24254CF67A80C18
31759873C000F3005442FE27202020202020202020202020
907571048368124B194164967305131940579177F77F202020
20202077CE77CE769175751243689701B40006F27F20779075
79B60077CE77CE769175737E85A801D00066C0000D77

269 BYTES

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Program Registers Needed: 39

Row 1 (1 - 3)



Row 2 (3 - 5)



Row 3 (5 - 11)



Row 4 (12 - 19)



Row 5 (20 - 22)



Row 6 (22 - 25)



Row 7 (25 - 31)



Row 8 (32 - 40)



Row 9 (41 - 50)



Row 10 (51 - 60)



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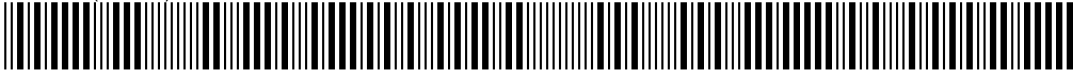
Row 11 (61 - 67)



Row 12 (67 - 69)



Row 13 (70 - 76)



Row 14 (76 - 82)



Row 15 (82 - 83)



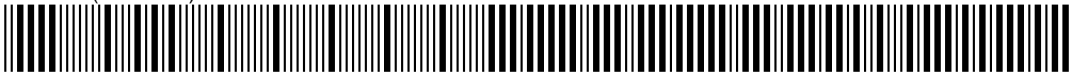
Row 16 (83 - 92)



Row 17 (93 - 100)



Row 18 (100 - 105)



Row 19 (106 - 114)



Row 20 (114 - 122)



Row 21 (123 - 126)

