

HP-41C Alpha Length Routine by Carter P. Buck
PPC Calculator Journal V9 No 2 Pg 27 Mar 1982

```
01 LBL "A=" ;Alpha Length Routine
02 SF 25
03 .
04 X<> d
05 VIEW d
06 CLD
07 X<> d
08 X<> P
09 "&00\00\00" ;Append 3 nulls
10 RCL P
11 X#0?
12 CF 25
13 RDN
14 "&00\00\00\00" ;Append 4 nulls
15 X<> P
16 X<> O
17 X<> N
18 X<> M
19 FS? 25
20 GTO 14
21 X<> P
22 X<> O
23 X<> N
24 X<> M
25 STO Z
26 LBL 14
27 RDN
28 ASTO T
29 ASHF
30 ASTO Z
31 ASHF
32 ASTO L
33 "&F0\00\00\00\CE\7C" ;See NOP V10 N1 P4
34 ARCL T
35 ARCL Z
36 ARCL L
37 E8
38 X<> b
39 ASHF
40 FS? 25
41 GTO 14
42 .
43 X<> T
44 X<> M
45 X<> N
46 X<> O
47 X<> P
48 RDN
49 LBL 14
50 FRC
51 ST- L
52 E9
53 ST/ L
54 X<> L
55 ST/ Y
56 LOG
57 SIGN
58 RDN
59 5
60 FS? 25
61 DSE X
62 ST+ L
63 RDN
64 7
65 ST* L
66 X<> L
67 +
```

68 ABS
69 6
70 ST/ L
71 X<> L
72 FRC
73 ST- L
74 X#0?
75 ISG L
76 CLX
77 CLX
78 RDN
79 END

0094C000F300413DA8191ACE7E987E7FCE7ECE78F47F000000
907863A91975F57F000000000CE78CE77CE76CE75AC19BF00CE
78CE77CE76CE7591710F759A70889A71889A74F6F00000000CE
7C9B709B719B741B18CE7C88AC19BF001ACE70CE75CE76CE77
CE78750F6993741B199574CE749572567A7515AC1997739274
75179474CE744061169574CE74699374639674777775C0000D
D6

148 BYTES

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Program Registers Needed: 22

Row 1 (1 - 5)



Row 2 (6 - 11)



Row 3 (12 - 16)



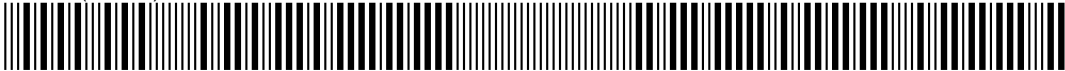
Row 4 (17 - 23)



Row 5 (23 - 31)



Row 6 (32 - 35)



Row 7 (36 - 43)



Row 8 (43 - 51)



Row 9 (51 - 59)



Row 10 (60 - 67)



Row 11 (68 - 76)



Row 12 (77 - 79)

