

HP-41C Weak Acid Dissociation by B.L. Carlberg
PPC Calculator Journal V7 N9 P30 November 1980

```
01 LBL "ION-DIS" ;Weak Acid Dissociation
02 LBL a
03 FIX 0
04 CLRG
05 CLX
06 .01
07 STO 00
08 LBL 01
09 RCL 00
10 1
11 +
12 "K"
13 ARCL X
14 ">" = "?"
15 AVIEW
16 STOP
17 LBL A
18 X=0?
19 GTO 06
20 ISG 00
21 GTO 02
22 GTO 07
23 LBL 02
24 STO IND 00
25 GTO 01
26 LBL B
27 RCL 00
28 INT
29 STO 00
30 RDN
31 10^X
32 STO 11
33 RCL IND 00
34 *
35 1
36 +
37 DSE 00
38 GTO 03
39 GTO 04
40 LBL 03
41 RCL IND 00
42 RCL 11
43 *
44 *
45 1
46 +
47 DSE 00
48 GTO 03
49 LBL 04
50 .01
51 ST+ 00
52 RDN
53 FIX 2
54 1/X
55 RCL 11
56 LOG
57 "PH = "
58 ARCL X
59 AVIEW
60 PSE
61 RDN
62 FIX 3
63 "UND = "
64 ARCL X
65 AVIEW
66 PSE
67 PSE
```

68 LBL 05
69 ISG 00
70 RCL IND 00
71 X=0?
72 STOP
73 RCL 11
74 *
75 *
76 FIX 0
77 "ION"
78 ARCL 00
79 FIX 0
80 >" = "
81 FIX 3
82 ARCL X
83 AVIEW
84 PSE
85 PSE
86 GTO 05
87 LBL 06
88 "PH = ?"
89 PROMPT
90 GTO A
91 STOP
92 LBL 07
93 RCL 00
94 ACOS
95 END

00AEC000F800494F4E2D444953CF7B9C008A771A1011300220
1140F14B9B73F57F203D203F7E84CF6667B7009600B300B800
039180B200CF6720683075573B90804211409700B400B50004
90802B424211409700B400051A10119200759C02602B56F550
48203D209B737E89759C03F6554E44203D209B737E89890696
00908067842B42429C00F3494F4E9B009C00F47F203D209C03
9B737E8989B60007F65048203D203F8ED000668408205DC000
0D5C

174 BYTES

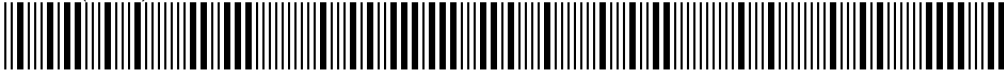
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Program Registers Needed: 25

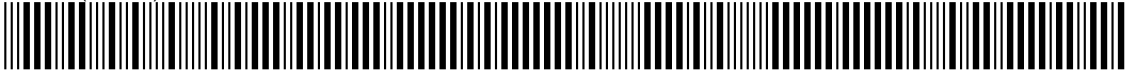
Row 1 (1 - 2)



Row 2 (3 - 12)



Row 3 (12 - 17)



Row 4 (18 - 25)



Row 5 (25 - 35)



Row 6 (36 - 44)



Row 7 (45 - 52)



Row 8 (53 - 58)



Row 9 (59 - 64)



Row 10 (64 - 74)



Row 11 (75 - 80)



Row 12 (80 - 87)



Row 13 (88 - 92)



Row 14 (93 - 95)

