

HP-41C Alpha Variable Utilities by Botkin & Jarett  
PPC Calculator Journal Vol 7 No 6 P42 Jul/Aug 1980

```
01 LBL "INDA" ;Indirect Alpha
02 LBL 42
03 ASTO T
04 XEQ IND T
05 RTN
06 LBL "RCLA" ;Recall Alpha
07 XEQ 42
08 RDN
09 RCL IND T
10 RTN
11 LBL "STOA" ;Store Alpha
12 XEQ 42
13 RDN
14 STO IND T
15 RTN
16 LBL "RDA" ;Read Data from Card
17 XEQ 42
18 XROM 30,03 ;RDTAX
19 RTN
20 LBL "WDA" ;Write Data to Card
21 XEQ 42
22 XROM 30,08 ;WDTAX
23 RTN
24 LBL "KEYINA" ;Key Input Alpha
25 SF 01
26 CF 22
27 GTO 43
28 LBL "VIEWA" ;View Alpha
29 CF 01
30 LBL 43
31 XEQ 44
32 ASTO Y
33 FRC
34 X#0?
35 GTO P
36 X<> L
37 1
38 GTO R
39 LBL P
40 X<> L
41 RCL 00
42 X#0?
43 GTO R
44 CLX
45 1
46 LBL R
47 " " ;2 spaces
48 ARCL Z
49 RCL d
50 FIX 0
51 ARCL Y
52 STO d
53 RDN
54 >"= "
55 FS? 01
56 GTO N
57 ARCL IND Y
58 AVIEW
59 PSE
60 GTO M
61 LBL N
62 >"?"
63 PROMPT
64 FC?C 22
65 GTO P
66 STO IND Z
67 RDN
```

```

68 LBL M
69 ISG X
70 "" ;F0=null string (NOP)
71 ISG Y
72 GTO R
73 LBL P
74 CLA
75 ARCL Z
76 CF 01
77 RTN
78 LBL "RCL I" ;Recall Ith Element
79 XEQ 44
80 RDN
81 RCL IND T
82 RTN
83 LBL "STO I" ;Store Ith Element
84 XEQ 44
85 RDN
86 STO IND T
87 RTN
88 LBL "LOCATE" ; Locate an Element
89 LBL 44
90 ASTO T
91 XEQ IND T
92 X<> 00
93 X=0?
94 GTO N
95 X<> 00
96 FRC
97 X#0?
98 GTO P
99 X<> L
100 RTN
101 LBL P
102 X<> L
103 INT
104 STO O
105 CLX
106 1.001
107 ST* O
108 ST- O
109 CLX
110 X<> O
111 X<> 00
112 ST+ 00
113 LBL N
114 X<> 00
115 RTN
116 END

```

```

011EC000F500494E4441CF2A9A70AEF085C000F50052434C41
E0002A7590F085C000F50053544F41E0002A7591F085C000F4
00524441E0002AA78385C000F400574441E0002AA78885C000
F7004B4559494E41A801A916D0002BC000F6005649455741A9
01CF2BE0002C9A726963D00078CE7411D0007ACF78CE742063
D0007A7711CF7AF220209B71907E9C009B72917E75F37F3D20
AC01D000769BF27E89D00075CF76F27F3F8EAB16D0007891F1
75CF759673F09672D0007ACF78879B71A90185C000F5005243
4C49E0002C7590F085C000F50053544F49E0002C7591F085C0
00F7004C4F43415445CF2C9A70AEF0CE0067D00076CE006963
D00078CE7485CF78CE7468917777111A1010119477937777CE
77CE009200CF76CE0085C0000DBC

```

286 BYTES

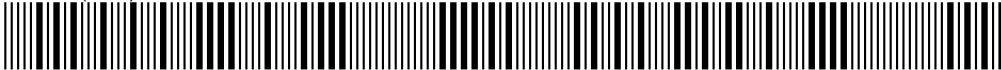
# HP-41C Alpha Var. Utilities by Botkin & Jarett PPC V7 N6 P42 Jul/Aug 1980

Program Registers Needed: 41

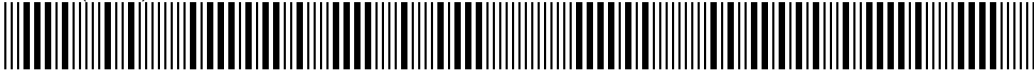
Row 1 (1 - 4)



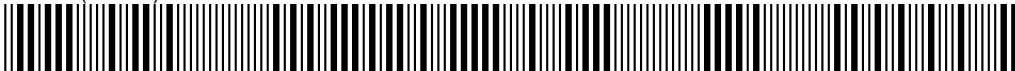
Row 2 (4 - 7)



Row 3 (8 - 12)



Row 4 (12 - 16)



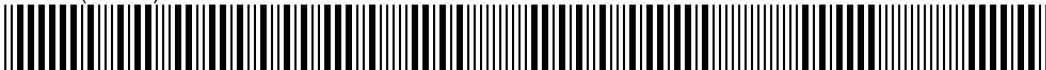
Row 5 (17 - 20)



Row 6 (21 - 24)



Row 7 (24 - 28)



Row 8 (28 - 31)



Row 9 (32 - 38)



Row 10 (39 - 46)



Row 11 (47 - 52)



Row 12 (53 - 58)



Row 13 (59 - 65)



Row 14 (65 - 72)



Row 15 (72 - 78)



Row 16 (78 - 83)



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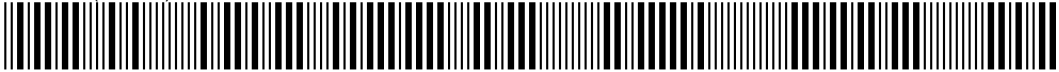
Row 17 (83 - 86)



Row 18 (87 - 89)



Row 19 (90 - 96)



Row 20 (97 - 104)



Row 21 (104 - 110)



Row 22 (110 - 116)

