

HP-41C Alpha Data Packing Decode by Jake Schwartz
PPC Calculator Journal Volume 8 No 3 P15 May 1981

```
01 LBL "DE"      ;Alpha Data Packing - Decode
02 CLA
03 X<> M
04 X<> d
05 >"\00\00\00\00" ;Append 4 nulls
06 X<> M
07 >"\00\00\00"    ;Append 3 nulls
08 5.031
09 ENTER
10 3.007
11 RCL N
12 X<> d
13 XEQ 00
14 R^
15 STO d
16 -1.023
17 R^
18 R^
19 XEQ 00
20 >"\00"          ;Append 1 null
21 RCL N
22 RCL O
23 CLA
24 STO N
25 RDN
26 STO M
27 >"\00\00\00\00\00\00" ;Append 6 nulls
28 RCL N
29 STO M
30 RCL O
31 STO N
32 .
33 STO O
34 RTN
35 LBL 00
36 ISG Z
37 GTO 01
38 RTN
39 LBL 01
40 FC? IND Z
41 GTO 02
42 X<> d
43 SF IND Y
44 X<> d
45 LBL 02
46 ISG Y
47 GTO 00
48 STO Y
49 X<> d
50 X<>Y
51 SIGN
52 X=0?
53 GTO 03
54 CLX
55 LASTX
56 X#0?
57 GTO 03
58 SF 02
59 GTO 04
60 LBL 03
61 SF 01
62 LBL 04
63 RDN
64 X<> d
65 X<> M
66 >"\00"          ;Append 1 null
67 3.007
```

```
68 X<>Y
69 GTO 00
70 END
```

```
0098C000F300444587CE75CE7EF57F00000000CE75F47F0000
00151A10131183131A1010179076CE7EE0000074917E1C111A
1012137474E00000F27F0090769077879176759175F77F0000
000000090769175907791761A917785019671B2008502ADF1
B300CE7EA8F2CE7E039672B1009172CE7E717A67B400777663
B400A802B50004A8010575CE7ECE75F27F00131A10101771B1
00C0000DC7
```

152 BYTES

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Program Registers Needed: 22

Row 1 (1 - 5)



Row 2 (5 - 8)



Row 3 (8 - 12)



Row 4 (13 - 17)



Row 5 (18 - 24)



Row 6 (24 - 28)



Row 7 (28 - 36)



Row 8 (36 - 43)



Row 9 (44 - 51)



Row 10 (52 - 60)



Row 11 (61 - 67)



Row 12 (67 - 70)

