

HP-41C Alpha Routines Using XFM by Alan B. McCornack
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Program requires an Extended Functions/Memory module

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01 LBL "AX" ;Alpha (leftmost) to X
02 -1
03 XROM 25,06 ;AROT
04 CLX
05 XROM 25,07 ;ATOX
06 RTN
07 LBL "XA" ;X to rightmost Alpha
08 XROM 25,47 ;XTOA
09 -1
10 XROM 25,06 ;AROT
11 CLX
12 RDN
13 RTN
14 LBL "AD" ;Alpha Delete character number X
15 XROM 25,06 ;AROT
16 XEQ "AX" ;Alpha (leftmost) to X (Line 1)
17 RDN
18 CHS
19 XROM 25,06 ;AROT
20 CHS
21 1
22 XROM 25,06 ;AROT
23 CLX
24 RDN
25 RTN
26 LBL "XC" ;Xth Character
27 XROM 25,06 ;AROT
28 XEQ "AX" ;Alpha (leftmost) to X (Line 1)
29 XROM 25,47 ;XTOA
30 X<>Y
31 CHS
32 XROM 25,06 ;AROT
33 CHS
34 X<>Y
35 RTN
36 LBL "IC" ;Insert Character (X=char # Y=POSITION)
37 X<>Y
38 XROM 25,06 ;AROT
39 -1
40 XROM 25,06 ;AROT
41 GTO 04
42 LBL "SC" ;Substitute Character (X=char # Y=POSITION)
43 X<>Y
44 XROM 25,06 ;AROT
45 -1
46 XROM 25,06 ;AROT
47 RDN
48 XROM 25,07 ;ATOX
49 LBL 04
50 CLX
51 RDN
52 X<>Y
53 XROM 25,47 ;XTOA
54 X<>Y
55 CHS
56 XROM 25,06 ;AROT
57 CHS
58 X<>Y
59 RTN
60 LBL "M$" ;Mid $tring (X=ALENG Y=STARTING POSITION)
61 X<>Y
62 XROM 25,01 ;ALENG
63 X<>Y
64 ST- Y
65 ISG Y
66 DEG
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67 X<>Y
68 XEQ "R$" ;Right $string (Line 73)
69 RDN
70 X<>Y
71 LBL "L$" ;Left $string (save left X characters)
72 XROM 25,06 ;AROT
73 LBL "R$" ;Right $string (discard all but rightmost X characters in Alpha)
74 XROM 25,01 ;ALENG
75 X<>Y
76 ST- Y
77 RDN
78 LBL 00
79 6
80 X>Y?
81 GTO 01
82 ASHF
83 ST- Y
84 RDN
85 GTO 00
86 LBL 01
87 RDN
88 LBL 02
89 X=0?
90 GTO 03
91 XROM 25,07 ;ATOX
92 CLX
93 RDN
94 DSE X
95 GTO 02
96 LBL 03
97 CLX
98 XROM 25,01 ;ALENG
99 END

```

```

00BFC000F30041581C11A64677A64785C000F3005841A66F1C
11A646777585C000F3004144A6461EF241587554A6465411A6
46777585C000F3005843A6461EF24158A66F7154A646547185
C000F300494371A6461C11A646B500C000F300534371A6461C
11A64675A64705777571A66F7154A646547185C000F3004D24
71A641719372967280711EF252247571C000F3004C24A646C0
00F3005224A64171937275011645B20088937275B100027503
67B400A64777759773B3000477A641C0000DA8

```

191 BYTES

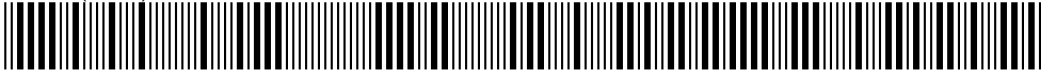
HP-41C Alpha Routines by Alan B. McCornack PPC V10 N3 P25 Apr 1983

Program Registers Needed: 28

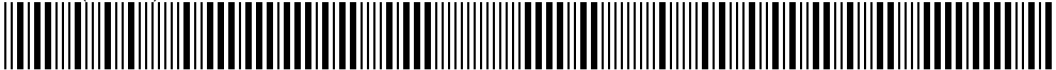
Row 1 (1 - 5)



Row 2 (6 - 10)



Row 3 (11 - 16)



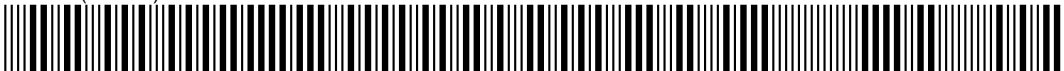
Row 4 (16 - 25)



Row 5 (26 - 29)



Row 6 (29 - 36)



Row 7 (36 - 42)



Row 8 (42 - 48)



Row 9 (49 - 59)



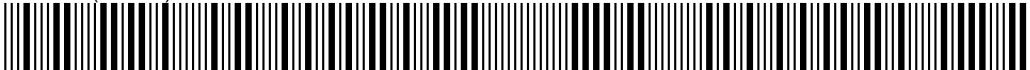
Row 10 (60 - 65)



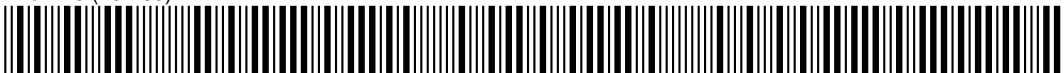
Row 11 (65 - 71)



Row 12 (71 - 75)



Row 13 (76 - 85)



Row 14 (85 - 94)



Row 15 (95 - 99)

