

HP-41C Alpha Rotate using HP 82183A by John Dearing  
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```
01 LBL "AROTIO" ;Alpha Rotate using Extended I/O
02 ENTER
03 INT
04 X=0?
05 GTO 03
06 X<0?
07 GTO 02
08 LBL 01
09 XROM 23,11 ;ATOXL
10 XROM 23,15 ;XTOAR
11 RDN
12 DSE X
13 GTO 01
14 GTO 03
15 LBL 02
16 ABS
17 XROM 23,12 ;ATOXR
18 XROM 23,14 ;XTOAL
19 RDN
20 DSE X
21 GTO 02
22 LBL 03
23 RDN
24 RTN
25 END ;47 BYTES
```

002FC000F70041524F54494F836867B40066B30002A5CBA5CF  
759773B200B4000361A5CCA5CE759773B300047585C0000DE3

HP-41C CAPS<>lower case using HP 82183A by John Dearing  
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```
01 LBL "CP/LC" ;CAPITAL LETTERS <> lower case letters
02 XROM 23,09 ;ALENGIO
03 X=0?
04 RTN
05 LBL 04
06 XROM 23,11 ;ATOXL
07 FS? 00
08 65
09 FC? 00
10 97
11 X>Y?
12 GTO 05
13 RDN
14 FS? 00
15 90
16 FC? 00
17 122
18 X<Y?
19 GTO 05
20 RDN
21 32
22 FS? 00
23 +
24 FC? 00
25 -
26 R^
27 LBL 05
28 RDN
29 XROM 23,15 ;XTOAR
30 RDN
31 DSE X
32 GTO 04
33 RTN
34 END ;63 BYTES
```

HP-41C CAPS<>lower case using HP 82183A by John Dearing  
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003FC000F60043502F4C43A5C9678505A5CBAC001615AD0019  
1745B60075AC001910AD0011121244B600751312AC0040AD00  
41740675A5CF759773B50085C0000D47

HP-41C File Type Copy using HP 82183A by John Dearing  
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```
01 LBL "FTCOPY" ;File Type Copy using Extended I/O
02 1
03 XROM 28,39 ;SELECT
04 "FILE TYPE ?"
05 AON
06 PROMPT      ;Enter File Type (PR, DA, KE, ST, WA, AS)
07 AOFF
08 ASTO X
09 1.447      ;Counter for maximum directory size
10 LBL 01
11 XROM 23,02 ;DIRX
12 X=0?
13 RTN
14 X<>Y
15 XROM 23,04 ;FLTYPE
16 X#Y?
17 GTO 02
18 2
19 XROM 23,01 ;COPYFL
20 RDN
21 LBL 02
22 X<> Z
23 ISG X
24 GTO 01
25 RTN
26 END      ;61 BYTES
```

003DC000F7004654434F505911A727FB46494C452054595045  
203F8C8E8B9A73111A14141702A5C2678571A5C479B30012A5  
C17503CE719673B20085C2000D39

HP-41C Mass Copy, Packed using HP 82183A by John Dearing  
PPC Calculator Journal Volume 10 Number 3 Pg 26 Apr 1983

```
01 LBL "MCP" ;Mass Copy, Packed using Extended I/O
02 1.447      ;Counter for maximum directory size
03 XROM 28,39 ;SELECT
04 LBL 03
05 XROM 23,02 ;DIRX
06 X=0?
07 RTN
08 2
09 XROM 23,01 ;COPYFL
10 RDN
11 ISG X
12 GTO 03
13 RTN
14 END      ;31 BYTES
```

001FC000F4004D4350111A141417A72704A5C2678512A5C175  
9673B40085C0000D3E

HP-41C Video Line Feed & Carriage Return by John Dearing  
PPC Calculator Journal Volume 10 Number 3 Pg 26 Apr 1983

```
01 LBL "VLF" ;Video Line Feed for HP 82163A
02 LBL 11
03 ADV
04 DSE X
05 GTO 11
06 RTN
07 LBL "VCR" ;Video Carriage Return
08 SF 17
09 13
10 ENTER
11 XROM 29,06 ;BLDSPEC
12 CLA
13 ARCL X
14 XROM 28,35 ;OUTA
15 RTN
16 END ;37 BYTES
```

0025C000F400564C460C8F9773BC0085C000F400564352A811  
111383A746879B73A72385C0000D44

HP-41C Alpha Rotate HP 82183A by John Dearing PPC V10 N3 P25 Apr 1983

Program Registers Needed: 7

Row 1 (1 - 4)



Row 2 (5 - 12)



Row 3 (13 - 20)



Row 4 (21 - 25)



HP-41C CAPS<>lower HP 82183A by John Dearing PPC V10 N3 P26 Apr 1983

Program Registers Needed: 9

Row 1 (1 - 4)



Row 2 (5 - 12)



HP-41C CAPS<>lower HP 82183A by John Dearing PPC V10 N3 P26 Apr 1983

Row 3 (12 - 19)



Row 4 (19 - 28)



Row 5 (29 - 34)



HP-41C File Type Copy HP 82183A by John Dearing PPC V10 N3 P26 Apr 1983

Program Registers Needed: 9

Row 1 (1 - 3)



Row 2 (4 - 5)



Row 3 (6 - 12)



Row 4 (13 - 22)



Row 5 (22 - 26)



HP-41C Mass Copy HP 82183A by John Dearing PPC V10 N3 P26 Apr 1983

Program Registers Needed: 5

Row 1 (1 - 3)



Row 2 (3 - 12)



Row 3 (12 - 14)



# HP-41C Video LF & CR HP 82163A by John Dearing PPC V10 N3 P26 Apr 1983

Program Registers Needed: 6

Row 1 (1 - 5)



Row 2 (6 - 10)



Row 3 (11 - 16)

