

HP-41C 8-Bit Simulation ROT by David G. Motto
PPC Calculator Journal V10 N1 P43 Jan-Feb 1983
Program needs Extended Functions/Memory module

```
01 LBL "ROT" ;8-Bit Rotate Function
02 INT
03 STO 00
04 STO 01
05 ST- 01
06 X<>Y
07 ABS
08 INT
09 XROM 25,46 ;X<>F
10 .007
11 LBL 15
12 ENTER
13 FC? IND X
14 GTO 16
15 INT
16 RCL 00
17 +
18 8
19 +
20 LASTX
21 MOD
22 2
23 X<>Y
24 Y^X
25 ST+ 01
26 RDN
27 LBL 16
28 ISG X
29 GTO 15
30 CLX
31 XROM 25,46 ;X<>F
32 CLST
33 +
34 STO 00
35 RCL 01
36 ST- 01
37 END
```

003DC000F400524F546830319301716168A66E1A101017CF0F
83ADF3D000106820401840764B127153920175CF109673D000
0F77A66E734030219301C0000D39

61 BYTES

HP-41C 8-Bit Simulation EXOR by David G. Motto
PPC Calculator Journal V10 N1 P43 Jan-Feb 1983
Program needs Extended Functions/Memory module

```
01 LBL "EXOR" ;8-bit Exclusive OR Function
02 X<>Y
03 ABS
04 INT
05 STO 00
06 X<>Y
07 ABS
08 INT
09 XROM 25,46 ;X<>F
10 STO 01
11 ST- 01
12 LBL 03
13 RCL 00
14 INT
15 STO 00
16 X=0?
17 GTO 05
```

```

18 2
19 ST/ 00
20 MOD
21 X=0?
22 GTO 04
23 FS?C IND 01
24 GTO 04
25 SF IND 01
26 LBL 04
27 ISG 01
28 LBL 14
29 GTO 03
30 LBL 05
31 CLST
32 +
33 STO 01
34 XROM 25,46 ;X<>F
35 END

```

0037C000F50045584F5271616830716168A66E319301042068
3067B6001295004B67B500AA81B500A8810596010FB4000673
4031A66EC0000DC1

55 BYTES

HP-41C 8-Bit Simulation D-H by David G. Motto
PPC Calculator Journal V10 N1 P43 Jan-Feb 1983
Program needs Extended Functions/Memory module

```

01 LBL "D-H" ;8-Bit Decimal to Hex Function
02 CLA
03 INT
04 STO 00
05 LBL 10
06 RCL 00
07 INT
08 STO 00
09 X=0?
10 GTO 12
11 16
12 ST/ 00
13 MOD
14 XROM 25,46 ;X<>F
15 SF 04
16 SF 05
17 58
18 ENTER
19 CLX
20 XROM 25,46 ;X<>F
21 X<Y?
22 GTO 11
23 7
24 +
25 LBL 11
26 XROM 25,47 ;XTOA
27 -1
28 XROM 25,06 ;AROT
29 GTO 10
30 LBL 12
31 CLST
32 +
33 AVIEW
34 END

```

0037C000F400442D488768300B20683067BD00111695004BA6
6EA804A80515188377A66E44BC0017400CA66F1C11A646BB00
0D73407EC0000DB0

55 BYTES

HP-41C 8-Bit Simulation SHF by David G. Motto
PPC Calculator Journal V10 N1 P43 Jan-Feb 1983

```
01 LBL "SHF" ;8-Bit Shift Function
02 X<>Y
03 ABS
04 INT
05 X<>Y
06 INT
07 2
08 X<>Y
09 Y^X
10 *
11 256
12 MOD
13 INT
14 STO L
15 ST- L
16 END
```

001CC000F4005348467161687168127153421215164B689174
9374C0000DA5

28 BYTES

HP-41C 8-Bit Simulation NOT by David G. Motto
PPC Calculator Journal V10 N1 P43 Jan-Feb 1983
Program needs Extended Functions/Memory module

```
01 LBL "NOT" ;8-Bit NOT function
02 ABS
03 INT
04 XROM 25,46 ;X<>F
05 .007
06 LBL 06
07 FC?C IND X
08 SF IND X
09 ISG X
10 GTO 06
11 CLST
12 +
13 XROM 25,46 ;X<>F
14 END
```

001FC000F4004E4F546168A66E1A10101707ABF3A8F39673B7
007340A66EC0000D86

31 BYTES

HP-41C 8-Bit Simulation IOR by David G. Motto
PPC Calculator Journal V10 N1 P43 Jan-Feb 1983
Program needs Extended Functions/Memory module

```
01 LBL "IOR" ;8-Bit Inclusive OR Function
02 X<>Y
03 INT
04 ABS
05 STO 00
06 X<>Y
07 ABS
08 INT
09 XROM 25,46 ;X<>F
10 STO 01
11 ST- 01
12 LBL 01
13 RCL 00
14 INT
15 STO 00
```

```

16 X=0?
17 GTO 02
18 2
19 ST/ 00
20 MOD
21 X#0?
22 SF IND 01
23 ISG 01
24 LBL 14
25 GTO 01
26 LBL 02
27 CLST
28 +
29 STO 01
30 XROM 25,46 ;X<>F
31 END

```

```

002FC000F400494F5271686130716168A66E31930102206830
67B3001295004B63A88196010FB20003734031A66EC0000DBC

```

47 BYTES

HP-41C 8-Bit Simulation H-D by David G. Motto
 PPC Calculator Journal V10 N1 P43 Jan-Feb 1983
 Program needs Extended Functions/Memory module

```

01 LBL "H-D" ;8-Bit Hex to Decimal Function
02 0
03 STO 00
04 XROM 25,46 ;X<>F
05 LBL 07
06 XROM 25,07 ;ATOX
07 X=0?
08 GTO 09
09 ENTER
10 XROM 25,46 ;X<>F
11 RDN
12 48
13 -
14 FC? 06
15 GTO 08
16 7
17 -
18 LBL 08
19 16
20 ST* 00
21 RDN
22 ST+ 00
23 GTO 07
24 LBL 09
25 CLX
26 XROM 25,46 ;X<>F
27 CLST
28 +
29 RCL 00
30 ST- 00
31 END

```

```

0034C000F400482D441030A66E08A64767BA0083A66E751418
41AD06B90017410911169400759200B8000A77A66E73402093
00C0000D93

```

52 BYTES

HP-41C 8-Bit Simulation AND by David G. Motto
PPC Calculator Journal V10 N1 P43 Jan-Feb 1983
Program needs Extended Functions/Memory module

```
01 LBL "AND" ;8-Bit AND Function
02 X<>Y
03 ABS
04 INT
05 STO 00
06 X<>Y
07 ABS
08 INT
09 XROM 25,46 ;X<>F
10 .007
11 STO 01
12 LBL 00
13 RCL 00
14 INT
15 STO 00
16 2
17 ST/ 00
18 MOD
19 X=0?
20 CF IND 01
21 ISG 01
22 GTO 00
23 CLST
24 +
25 STO 01
26 XROM 25,46 ;X<>F
27 END
```

002CC000F400414E4471616830716168A66E1A101017310120
68301295004B67A9819601B100734031A66EC0000D36

44 BYTES

HP-41C 8-bit ROTATE by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 9

Row 1 (1 - 6)



Row 2 (7 - 13)



Row 3 (14 - 24)



Row 4 (25 - 31)



Row 5 (32 - 37)



HP-41C 8-bit EXCLUSIVE OR by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 8

Row 1 (1 - 6)



Row 2 (7 - 17)



Row 3 (17 - 25)



Row 4 (25 - 34)



Row 5 (35)



HP-41C 8-bit DEC TO HEX by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 8

Row 1 (1 - 7)



Row 2 (8 - 15)



Row 3 (16 - 24)



Row 4 (25 - 33)



Row 5 (34)



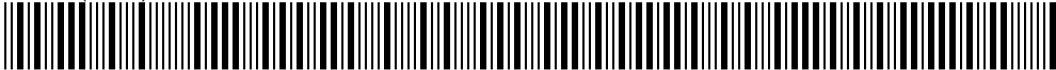
HP-41C 8-bit SHIFT by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 4

Row 1 (1 - 7)



Row 2 (8 - 16)



Row 3 (16)



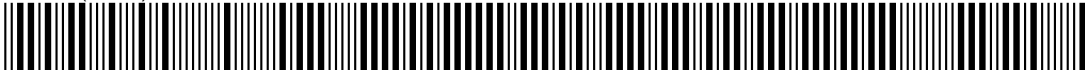
HP-41C 8-bit NOT by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 5

Row 1 (1 - 5)



Row 2 (5 - 12)



Row 3 (13 - 14)



HP-41C 8-bit INCLUSIVE OR by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 7

Row 1 (1 - 7)



Row 2 (8 - 17)



Row 3 (18 - 26)



Row 4 (27 - 31)



HP-41C 8-bit HEX TO DEC by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 8

Row 1 (1 - 6)



Row 2 (6 - 14)



Row 3 (15 - 23)



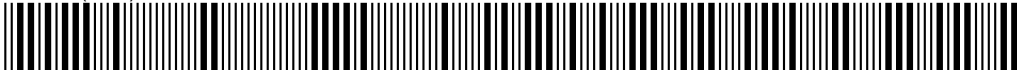
Row 4 (23 - 31)



HP-41C 8-bit AND by David G. Motto PPC V10 N1 P43 Jan-Feb 1983

Program Registers Needed: 7

Row 1 (1 - 7)



Row 2 (8 - 16)



Row 3 (17 - 25)



Row 4 (26 - 27)

