

HP-41C Matrix Product Routine by Read Predmore
PPC Calculator Journal V9 N7 P37 Oct-Nov 1982
This program utilizes PPC ROM module routines.

```
01 LBL "MATP" ;Matrix Product Routine
02 LBL E
03 STO 13
04 STO 00
05 SREG 00 ;SigmaREG
06 RCL 07
07 RCL 08
08 +
09 1
10 -
11 E3
12 /
13 RCL 07
14 +
15 STO M
16 RCL 09
17 STO 06
18 LBL 06
19 RCL 10
20 RCL 11
21 E5
22 /
23 +
24 STO N
25 RCL 11
26 STO 12
27 14
28 FC? 08
29 STO O
30 LBL 12
31 RCL M
32 RCL N
33 XROM 20,42 ;BSigma - PPC ROM Block Statistics
34 RCL 04
35 STO IND O
36 ISG O
37 LBL 00
38 1
39 ST+ N
40 DSE 12
41 GTO 12
42 14
43 RCL M
44 INT
45 RCL 11
46 FC? 08
47 XROM 20,39 ;BM - PPC ROM Block Move
48 RCL 08
49 1.001
50 *
51 ST+ M
52 DSE 06
53 GTO 06
54 RCL 11
55 STO 08
56 RCL 13
57 FS? 08
58 X<> 07
59 RTN
60 END ;99 BYTES
```

0063C000F5004D415450CF6A3D30990027284011411B134327
4091752936072A2B1B15434091762B3C1114AD0891770D9075
9076A52A2491F7967701119276970CBD0011149075682BAD08
A52728111A1010114292759706B7002B382DAC08CE0785C000
ODEA

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Program Registers Needed: 15

Row 1 (1 - 5)



Row 2 (5 - 15)



Row 3 (16 - 26)



Row 4 (27 - 33)



Row 5 (34 - 41)



Row 6 (42 - 49)



Row 7 (49 - 56)



Row 8 (57 - 60)

