

HP-41C Alpha Variable Main Program by Botkin & Jarett
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```
01 LBL "RUN" ;Alpha Variable Main Program
02 AON
03 CF 23
04 " INPUT"
05 XEQ 10
06 FS?C 23
07 ASTO 01
08 " LOOP"
09 XEQ 10
10 FS?C 23
11 ASTO 02
12 " OUTPUT"
13 XEQ 10
14 FS?C 23
15 ASTO 03
16 AOFF
17 CF 22
18 SF 25
19 " LOOP COUNTER?"
20 PROMPT
21 FC?C 22
22 RCL 04
23 STO 00
24 STO 04
25 SF 25
26 XEQ IND 01
27 CF 25
28 LBL 11
29 XEQ IND 02
30 ISG 00
31 GTO 11
32 X<> 04
33 STO 00
34 X<> 04
35 SF 25
36 GTO IND 03
37 RTN
38 LBL 10
39 ">" ROUTINE?"
40 STOP
41 RTN
42 END
```

0079C000F40052554E8CA917F620494E505554E0000AAA179A
01F620204C4F4F50E0000AAA179A02F820204F5554505554E0
000AAA179A038BA916A819FF20204C4F4F5020434F554E5445
523F8EAB16243034A819AE81A9190CAE829600BC00CE0430CE
04A819AE03850BFA7F20524F5554494E453F8485C0000D46

121 BYTES

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Program Registers Needed: 18

Row 1 (1 - 4)



Row 2 (4 - 8)



Row 3 (8 - 12)



Row 4 (12 - 14)



Row 5 (15 - 19)



Row 6 (19 - 21)



Row 7 (22 - 30)



Row 8 (30 - 37)



Row 9 (38 - 40)



Row 10 (41 - 42)

