

HP-41C Speedy Factor Finder by E. J. Borrebach
PPC Calculator Journal V8 N6 P11 Aug-Dec 1981

```
01 LBL "SF"      ;Speedy Factor Finder Program
02 FIX 00
03 XEQ 04        ;Original Line was VIEW X
04 STO M
05 SQRT
06 STO O
07 CLX
08 STO N
09 2
10 XEQ 01
11 1
12 XEQ 01
13 2
14 XEQ 01
15 2
16 XEQ 01
17 LBL 03
18 4
19 XEQ 01
20 2
21 XEQ 01
22 4
23 XEQ 01
24 2
25 XEQ 01
26 4
27 XEQ 01
28 6
29 XEQ 01
30 2
31 XEQ 01
32 6
33 XEQ 01
34 RCL O
35 RCL N
36 X<Y?
37 GTO 03
38 LBL 02
39 RCL M
40 TONE 07
41 XEQ 04        ;Original Line was VIEW X
42 STOP
43 LBL 01
44 ST+ N
45 RCL M
46 RCL N
47 MOD
48 X#0?
49 RTN
50 RCL M
51 LASTX
52 X=Y?
53 GTO 02
54 ST/ M
55 TONE 03
56 XEQ 04        ;Original Line was VIEW X
57 RCL M
58 SQRT
59 STO O
60 LASTX
61 RCL N
62 MOD
63 X#0?
64 RTN
65 GTO 01        ;Next Line (66) was Original Program END
66 LBL 04        ;Code to Avoid Stopping at each VIEW X
67 FS? 21
```

68 SF 01
69 SF 21
70 SF 25
71 XROM 29,20 ;PRX
72 CF 25
73 CF 21
74 VIEW X
75 FS?C 01
76 SF 21
77 RTN
78 END

0091C000F30053469C00E00004917552917777917612E00001
11E0000112E0000112E000010414E0000112E0000114E00001
12E0000114E0000116E0000112E0000116E000019077907644
B4000390759F07E0000484029276907590764B638590757678
B30095759F03E0000490755291777690764B6385B20005AC15
A801A815A819A754A919A9159873AA01A81585C0000D36

145 BYTES

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Program Registers Needed: 21

Row 1 (1 - 4)



Row 2 (5 - 12)



Row 3 (12 - 19)



Row 4 (19 - 25)



Row 5 (26 - 32)



Row 6 (33 - 39)



Row 7 (40 - 46)



Row 8 (47 - 55)



Row 9 (56 - 63)



Row 10 (64 - 71)



Row 11 (71 - 78)



Row 12 (78)

