

HP-41C Insertion Sort Routine by Terry Mickelson
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```
01 LBL a ;Insertion Sort Routine - First Entry
02 1
03 STO 00
04 RTN
05 LBL A ;Insertion Sort - Subsequent Entries
06 FC?C 22
07 GTO 00
08 STO IND Y
09 1 E-3
10 ST+ 00
11 RCL Z
12 1
13 +
14 RTN
15 LBL 00
16 RCL IND L
17 ISG L
18 -
19 RCL IND L
20 X<>Y
21 X<=Y?
22 GTO 01
23 STO IND L
24 RDN
25 DSE L
26 STO IND L
27 DSE L
28 GTO 00
29 LBL 01
30 RCL 00
31 INT
32 X<> L
33 ISG 00
34 GTO 00
35 XROM 29,20 ;PRX
36 ADV
37 FRC
38 1
39 +
40 LBL 02
41 VIEW IND X
42 ISG X
43 GTO 02
44 END
```

0048CF7B113085CF66AB16B10091F2111B1C13920090711140
850190F496744190F47146B20091F475977491F49774B10002
2068CE749600B100A7548F6911400398F39673B300C0000DB7

72 BYTES

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Program Registers Needed: 11

Row 1 (1 - 8)



Row 2 (9 - 16)



Row 3 (16 - 24)



Row 4 (25 - 32)



Row 5 (33 - 41)



Row 6 (42 - 44)

