

HP-41C Tower of Hanoi by Harry Bertuccelli  
PPC Calculator Journal V8 N3 P22 May 1981  
Modified: requires PPC ROM to run properly

```
01 LBL "ITWR" ;Initialize Tower of Hanoi
02 STO 02
03 5
04 *
05 STO 03
06 .5
07 +
08 STO 00
09 3.5
10 +
11 STO IND 00
12 ISG 00
13 RCL 02
14 0
15 LBL 00
16 E1
17 /
18 RCL Y
19 +
20 DSE Y
21 GTO 00
22 STO IND 00
23 ISG 00
24 CLX
25 STO IND 00
26 ISG 00
27 STO IND 00
28 .123
29 STO 01
30 RCL 02
31 1
32 STO 04
33 -
34 FIX IND X
35 XEQ 99
36 LBL "TWR" ;Tower of Hanoi
37 RCL 04
38 4
39 MOD
40 X#0?
41 GTO 01
42 RCL 03
43 RCL IND X
44 2
45 ST+ IND Z
46 X<>Y
47 XROM 20,02 ;LR - Lengthen Return Stack
48 LBL 01
49 RCL 02
50 1
51 X=Y?
52 GTO 02
53 -
54 STO 07
55 RCL 04
56 1
57 +
58 STO 09
59 XEQ 05
60 X<>Y
61 XEQ 06
62 STO 06
63 RCL 03
64 STO 08
65 5
66 ST- 08
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67 ST- IND 03
68 XROM 10,20 ;HD - Hide Data Registers
69 XEQ "TWR" ;Tower of Hanoi
70 XROM 10,08 ;UD - Uncover Data Registers
71 5
72 ST+ IND 03
73 LBL 02
74 XEQ 05
75 RCL Z
76 XEQ 10
77 RCL 02
78 1
79 X=Y?
80 GTO 03
81 XEQ 05
82 RDN
83 X<>Y
84 R^
85 XEQ 06
86 STO 06
87 5
88 ST- IND 03
89 XROM 10,20 ;HD - Hide Data Registers
90 XEQ "TWR" ;Tower of Hanoi
91 XROM 10,08 ;UD - Uncover Data Registers
92 5
93 ST+ IND 03
94 LBL 03
95 RCL 04
96 4
97 MOD
98 X#0?
99 RTN
100 RCL 03
101 2
102 ST- IND Y
103 RCL IND Y
104 XROM 20,00 ;SR - Shorten Return Stack
105 RTN
106 LBL 05
107 RCL 01
108 E1
109 *
110 INT
111 LASTX
112 FRC
113 E1
114 *
115 INT
116 LASTX
117 FRC
118 E1
119 *
120 RTN
121 LBL 06
122 E1
123 /
124 +
125 E1
126 /
127 +
128 E1
129 /
130 RTN
131 LBL 10
132 "... "
133 AVIEW
134 RCL 03
135 ST+ Z
136 +

```

137 E1  
138 ST/ IND Z  
139 CLX  
140 RCL IND Y  
141 INT  
142 ST+ IND Z  
143 CLX  
144 LASTX  
145 FRC  
146 E1  
147 \*  
148 STO IND Y  
149 LBL 99  
150 RCL 03  
151 1  
152 +  
153 RCL X  
154 2  
155 +  
156 E3  
157 /  
158 +  
159 LBL 11  
160 VIEW IND X  
161 PSE  
162 ISG X  
163 GTO 11  
164 END

0104C000F50049545752321542331A154030131A1540918096  
002210011B11439072409772B1009180960077918096009180  
1A11121331221134419CF3E00063C000F40054575224144B63  
B2002390F31292F171A50202221178B300413724114039E000  
0571E000063623381593089383A2941EF3545752A288159283  
03E000059071E0000A221178B400E00005757174E000063615  
9383A2941EF3545752A2881592830424144B6385231293F290  
F2A5008506211B11426876691B11426876691B114285071B11  
43401B1143401B1143850BF32E2E2E7E239271401B1195F177  
90F26892F17776691B114291F2CF63231140907312401B1343  
400C98F3899673BC00C0000DE9

260 BYTES

# HP-41C Tower of Hanoi 2 by Harry Bertuccelli PPC V8 N3 P22 May 1981

Program Registers Needed: 38

Row 1 (1 - 6)



Row 2 (6 - 14)



Row 3 (15 - 22)



Row 4 (23 - 28)



Row 5 (29 - 36)



Row 6 (36 - 43)



Row 7 (44 - 53)



Row 8 (54 - 62)



Row 9 (63 - 69)



Row 10 (69 - 76)



Row 11 (76 - 84)



Row 12 (85 - 90)



Row 13 (90 - 100)



Row 14 (101 - 109)



Row 15 (110 - 120)



Row 16 (121 - 130)



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Row 17 (131 - 138)



Row 18 (138 - 147)



Row 19 (148 - 156)



Row 20 (157 - 164)

