

HP-41C Triangle Solution - Fully Automated by Keith Jarett
PPC Calculator Journal Volume 7 Number 3 Pg. 13 April 1980

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01 LBL a
02 1
03 GTO 09
04 LBL b
05 2
06 GTO 09
07 LBL c
08 3
09 GTO 09
10 LBL A
11 4
12 GTO 09
13 LBL B
14 5
15 GTO 09
16 LBL C
17 6
18 LBL 09
19 RDN
20 FS?C 22
21 STO IND T
22 RCL IND T
23 RTN
24 LBL D
25 CLRG
26 RTN
27 LBL E
28 1.003
29 STO 00
30 LBL 01
31 RDN
32 RCL IND 00
33 X#0?
34 GTO 09
35 ISG 00
36 GTO 01
37 LBL 04
38 "INSUFFICIENT"
39 PROMPT
40 LBL 09
41 XEQ 93
42 X#0?
43 GTO 02
44 RDN
45 XEQ 93
46 X#0?
47 GTO 03
48 RDN
49 XEQ 13
50 X#0?
51 GTO 08
52 RDN
53 XEQ 95
54 X=0?
55 GTO 04
56 XEQ 95
57 X=0?
58 GTO 04
59 XEQ 11
60 XEQ 92
61 X<>Y
62 GTO 07
63 LBL 08
64 XEQ 95
65 X=0?
66 GTO 09
67 X<>Y
```

68 XEQ 11
69 GTO 07
70 LBL 09
71 RDN
72 XEQ 95
73 X=0?
74 GTO 04
75 X<>Y
76 XEQ 91
77 XEQ 11
78 RDN
79 XEQ 95
80 LBL 07
81 SIN
82 X<>Y
83 SIN
84 XEQ 92
85 XEQ 13
86 SIN
87 R^
88 /
89 /
90 X<>Y
91 LASTX
92 /
93 XEQ 91
94 STO IND 00
95 RDN
96 XEQ 91
97 STO IND 00
98 RTN
99 LBL 02
100 XEQ 93
101 X#0?
102 GTO 07
103 RDN
104 GTO 09
105 LBL 03
106 X<>Y
107 XEQ 92
108 LBL 09
109 XEQ 13
110 X#0?
111 GTO 05
112 RDN
113 XEQ 95
114 X=0?
115 GTO 09
116 XEQ 06
117 XEQ 92
118 STO IND 00
119 GTO 07
120 LBL 09
121 RDN
122 XEQ 95
123 X=0?
124 GTO 04
125 RDN
126 X<>Y
127 R^
128 XEQ 06
129 XEQ 91
130 STO IND 00
131 GTO 07
132 LBL 05
133 X<>Y
134 P-R
135 RCL Z
136 -
137 R-P

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138 STO IND 00
139 LBL 07
140 1.003
141 STO 00
142 LBL 00
143 XEQ 93
144 XEQ 93
145 R-P
146 XEQ 93
147 X<>Y
148 /
149 X^2
150 1
151 X<>Y
152 -
153 X<>Y
154 ENTER
155 +
156 SIN
157 /
158 ACOS
159 XEQ 12
160 ISG 00
161 GTO 00
162 RTN
163 LBL 06
164 ENTER
165 SIN
166 R^
167 /
168 ENTER
169 R^
170 *
171 ASIN
172 ENTER
173 R^
174 +
175 X<>Y
176 LASTX
177 -
178 X<=0?
179 GTO 09
180 "SOL. 0 OR 1?"
181 PROMPT
182 CF 22
183 *
184 X#0?
185 X<>Y
186 LBL 09
187 RDN
188 SIN
189 X<>Y
190 /
191 RTN
192 LBL 11
193 XEQ 91
194 +
195 LASTX
196 X<>Y
197 COS
198 CHS
199 ACOS
200 LBL 12
201 XEQ 14
202 STO IND L
203 RTN
204 LBL 92
205 XEQ 91
206 LBL 91
207 ISG 00
```

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208 RTN
209 3
210 ST- 00
211 RDN
212 RTN
213 LBL 93
214 XEQ 91
215 RCL IND 00
216 RTN
217 LBL 95
218 XEQ 91
219 LBL 13
220 XEQ 14
221 RCL IND L
222 RTN
223 LBL 14
224 X<> 00
225 3
226 X<>Y
227 +
228 X<> L
229 X<> 00
230 RTN
231 LBL d ;Finds area of
232 RCL 06 ;triangle after
233 SIN ;it has been
234 RCL 01 ;solved. May
235 * ;be deleted to
236 RCL 02 ;save space.
237 * ;From NOP
238 2 ;V7N3P3
239 / ;June 1980
240 END

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0195CF7B11BA00CF7C12BA00CF7D13BA00CF6614BA00CF6715
BA00CF68160A75AA1691F090F085CF698A85CF6A111A101013
300275908063BA009600B20005FC494E53554646494349454E
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BA0071E0000BB8000A75E0005F67B50071E0005BE0000B75E0
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08111A1010133001E0005DE0005D4FE0005D71435111714171
834059435DE0000C9600B1008507835974438374425C837440
7176417BBA00FC534F4C2E2030204F5220313F8EA916426371
0A75597143850CE0005B4076715A545D0DE0000E91F485CF5C
E0005BCF5B9600851393007585CF5DE0005B908085CF5FE000
5B0EE0000E90F4850FCE00137140CE74CE0085CF7E26592142
22421243C0000D11

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405 BYTES

HP-41C Triangle Solutions by Keith Jarett PPC V7 N3 P13 April 1980

Program Registers Needed: 58

Row 1 (1 - 8)



Row 2 (9 - 16)



Row 3 (16 - 24)



Row 4 (25 - 32)



Row 5 (32 - 38)



Row 6 (38 - 41)



Row 7 (41 - 49)



Row 8 (49 - 56)



Row 9 (56 - 62)



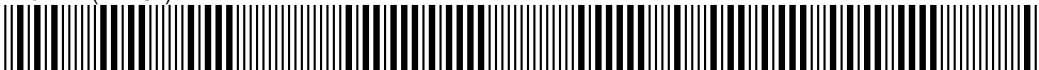
Row 10 (62 - 69)



Row 11 (69 - 76)



Row 12 (77 - 84)



Row 13 (84 - 93)



Row 14 (93 - 100)



Row 15 (100 - 108)



Row 16 (109 - 115)



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Row 17 (116 - 122)



Row 18 (122 - 129)



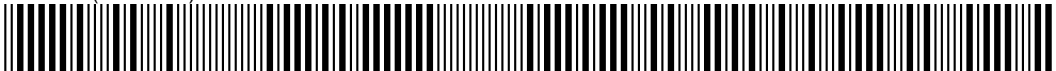
Row 19 (129 - 138)



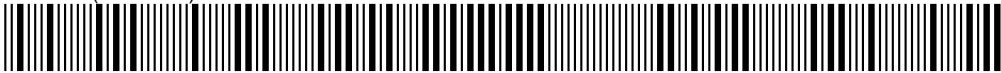
Row 20 (138 - 144)



Row 21 (144 - 153)



Row 22 (154 - 162)



Row 23 (163 - 175)



Row 24 (176 - 180)



Row 25 (180 - 187)



Row 26 (188 - 198)



Row 27 (199 - 205)



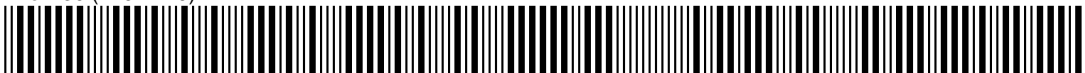
Row 28 (206 - 214)



Row 29 (214 - 220)



Row 30 (220 - 229)



Row 31 (229 - 240)



Row 32 (240)

