

HP-41C Synthetic Key Assignments by John McGechie  
PPC Calculator Journal V7 No 2 Pg 34 Feb-Mar 1980

```
01 LBL "KA" ;Synthetic Key Assignments Program
02 FIX 0
03 .001
04 STO 02
05 CLX
06 STO 04
07 CLA
08 ASTO 00
09 1
10 XEQ B
11 105
12 XEQ B
13 12
14 XEQ B
15 0
16 XEQ B
17 191
18 XEQ B
19 ASTO 05
20 LBL 06
21 CLA
22 ASTO 00
23 240
24 XEQ B
25 XEQ 07
26 XEQ 07
27 RCL 02
28 RCL M
29 RCL c
30 RCL 05
31 STO c
32 X<> Z
33 STO IND T
34 RDN
35 STO c
36 ISG 02
37 GTO 06
38 "WRITE CARD"
39 BEEP
40 PROMPT
41 LBL 07
42 ISG 04
43 ABS
44 "KEY "
45 ARCL 04
46 TONE 9
47 PROMPT
48 STO 01
49 RDN
50 STO 03
51 RDN
52 XEQ B
53 -24
54 X<> 03
55 XEQ B
56 10
57 ST/ 01
58 RCL 01
59 ABS
60 INT
61 LASTX
62 FRC
63 ST* Z
64 .1
65 -
66 X=0?
67 GTO 05
```

68 RDN  
69 4  
70 X=Y?  
71 ISG Z  
72 LBL 05  
73 RDN  
74 STO Z  
75 X<>Y  
76 8  
77 X<>Y  
78 ST\* Y  
79 RDN  
80 +  
81 CHS  
82 44  
83 +  
84 ST+ 03  
85 SF 25  
86 SF IND X  
87 DSE Z  
88 ABS  
89 X<> 01  
90 X<0?  
91 GTO 01  
92 RCL R  
93 FC? 25  
94 XEQ 03  
95 FC? 25  
96 GTO 02  
97 X<> d  
98 SF IND 01  
99 X<> d  
100 LBL 02  
101 STO R  
102 GTO 08  
103 LBL 01  
104 8  
105 ST+ Z  
106 RDN  
107 RCL e  
108 FC? 25  
109 XEQ 03  
110 FC? 25  
111 GTO 00  
112 X<> d  
113 SF IND 01  
114 X<> d  
115 LBL 00  
116 STO e  
117 LBL 08  
118 RDN  
119 RDN  
120 X<>Y  
121 16  
122 \*  
123 +  
124 LBL B  
125 16  
126 X<>Y  
127 0  
128 X<> d  
129 X<>Y  
130 SF 03  
131 LBL 04  
132 2  
133 /  
134 FRC  
135 DSE Z  
136 X#0?  
137 SF IND Z

```

138 X<> L
139 INT
140 X#0?
141 GTO 04
142 X<>Y
143 X<> d
144 "*****" ;5 asterisks
145 ARCL X
146 ASTO X
147 "*" ;1 asterisk
148 ARCL X
149 ASHF
150 ASTO X
151 CLA
152 ASTO Y
153 ARCL 00
154 ARCL X
155 ASTO 00
156 X#Y?
157 RTN
158 RCL M
159 STO N
160 ">*" ;Append 1 asterisk
161 RCL N
162 CLA
163 STO M
164 ASTO 00
165 RTN
166 LBL 03
167 CLA
168 X<> N
169 ">*****" ;Append 3 asterisks
170 X<> N
171 X<> d
172 SF IND 03
173 X<> d
174 X<> N
175 ">*****" ;Append 4 asterisks
176 X<> O
177 RTN
178 LBL "NN" ;Create non-normalized numbers
179 CLA
180 ASTO 00
181 LBL A
182 STOP
183 X<>Y
184 16
185 *
186 +
187 XEQ B
188 RCL M
189 GTO A
190 END

```

```

0164C000F3004B419C001A101011327734879A0011E0006711
1015E000671112E0006710E00067111911E000679A0507879A
00121410E00067E00007E00007229075907D25917DCE7191F0
75917D9602B700FA57524954452043415244868E08960461F4
4B4559209B049F098E31753375E000671C1214CE03E0006711
109501216168766994711A114167B600751478967106759171
71187194727540541414409203A819A8F3977161CE0166B200
907AAD19E00003AD19B300CE7EA881CE7E03917AB900021892
7175907FAD19E00003AD19B100CE7EA881CE7E01917F097575
7111164240CF6711167110CE7E71A80305124369977163A8F1
CE746863B50071CE7EF52A2A2A2A9B739A73F12A9B73889A
73879A729B009B739A00798590759176F27F2A90768791759A
00850487CE76F47F2A2A2ACE76CE7EA883CE7ECE76F57F2A2A
2A2ACE7785C000F3004E4E879A00CF66847111164240E00067
9075D00066C0000DB8
356 BYTES

```

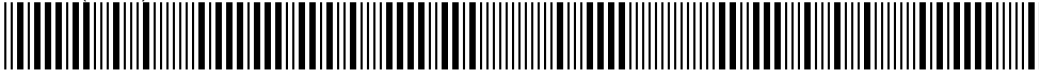
# HP-41C Synthetic Key Assignments by John McGeachie PPC V7 N2 P34 1980

Program Registers Needed: 51

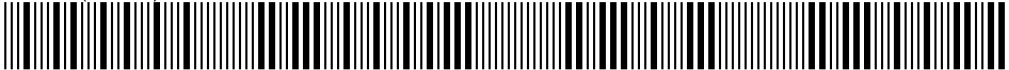
Row 1 (1 - 4)



Row 2 (5 - 12)



Row 3 (12 - 17)



Row 4 (17 - 23)



Row 5 (24 - 29)



Row 6 (29 - 36)



Row 7 (37 - 38)



Row 8 (39 - 45)



Row 9 (46 - 53)



Row 10 (54 - 61)



Row 11 (62 - 71)



Row 12 (71 - 81)



Row 13 (82 - 89)



Row 14 (89 - 95)



Row 15 (96 - 102)



Row 16 (103 - 110)



# HP-41C Synthetic Key Assignments by John McGechie PPC V7 N2 P34 1980

Row 17 (110 - 117)



Row 18 (118 - 127)



Row 19 (128 - 137)



Row 20 (137 - 144)



Row 21 (144 - 150)



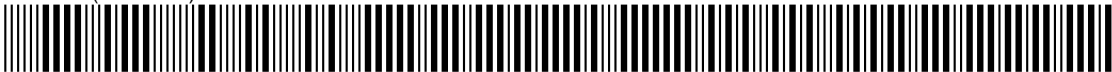
Row 22 (150 - 158)



Row 23 (158 - 164)



Row 24 (165 - 171)



Row 25 (171 - 175)



Row 26 (176 - 181)



Row 27 (181 - 189)



Row 28 (189 - 190)

