

HP-41C Translation Program "T" by John McGechie
PPC Calculator Journal Vol 8 No 4 P11 June 1981

```
01 LBL "T"      ;Translation Program
02 SF 12
03 XROM 29,08 ;PRA
04 22
05 RCL 05
06 -
07 LBL 08
08 >"\00"      ;Append 1 null
09 1
10 -
11 X#0?
12 GTO 08
13 E10
14 ENTER
15 FIX 1
16 XEQ 10
17 STO 01
18 XEQ 10
19 STO 02
20 XEQ 10
21 STO 03
22 FIX 0
23 CLA
24 RCL 05
25 1
26 XEQ 15
27 2
28 XEQ 15
29 3
30 XEQ 15
31 XROM 29,10 ;PRBUF
32 CLA
33 RCL 00
34 INT
35 1
36 +
37 256
38 MOD
39 2
40 /
41 FRC
42 X#0?
43 SF 01
44 LASTX
45 INT
46 6
47 +
48 STO 04
49 FC? 01
50 GTO 04
51 ARCL IND X
52 >"1234"
53 .
54 X<> N
55 X<> M
56 RDN
57 SF 25
58 RCL IND X
59 ABS
60 RDN
61 FC?C 25
62 GTO 04
63 "JB+SP"
64 AON
65 TONE 3
66 STOP
67 AOFF
```

```

68 LBL 04
69 ASTO IND X
70 CLA
71 1
72 XEQ 00
73 2
74 XEQ 00
75 3
76 XEQ 00
77 XROM 29,10 ;PRBUF
78 GTO "R" ;Start Program "S" Line 9
79 LBL 10
80 RDN
81 ENTER
82 STO P
83 ARCL X
84 X<> P
85 RTN
86 LBL 15
87 ARCL IND X
88 RDN
89 6
90 ABS
91 CLX
92 >"\00" ;Append 1 null
93 LBL 03
94 DSE Y
95 GTO 05
96 RTN
97 LBL 05
98 X<> M
99 X<> d
100 1
101 CF 00
102 FS? 01
103 SF 02
104 FS? 01
105 CF 03
106 FC? 02
107 SF 01
108 FC? 03
109 XEQ 17
110 X<>Y
111 X<> d
112 X<> M
113 >"\00" ;Append 1 null
114 X<> N
115 X<> M
116 X<>Y
117 ASTO T
118 X=0?
119 CLA
120 X=0?
121 XEQ IND T
122 RDN
123 SF 12
124 XROM 29,01 ;ACA
125 CF 12
126 " "
127 XROM 29,01 ;ACA
128 STO M
129 CLX
130 DSE L
131 GTO 03
132 RDN
133 RTN
134 LBL 17
135 FC? 01
136 RTN
137 FC? 02

```

```
138 RTN
139 CLX
140 RTN
141 LBL 00
142 DSE 05
143 GTO 00
144 RTN
145 LBL 00
146 ARCL IND X
147 >"1"
148 .005
149 ABS
150 RCL M
151 CLA
152 GTO 14
153 LBL 12
154 DSE 05
155 GTO 13
156 GTO 16
157 LBL 13
158 STO P
159 >" " ;Append 1 space
160 RCL P
161 LBL 14
162 ENTER
163 X<> d
164 CF 12
165 CF 13
166 CF 14
167 CF 15
168 FS?C 07
169 SF 15
170 FS?C 06
171 SF 14
172 FS?C 05
173 SF 13
174 FS? 04
175 SF 12
176 CF 08
177 CF 09
178 SF 10
179 SF 11
180 FS?C 04
181 XEQ 01
182 FS? 03
183 SF 07
184 FS? 02
185 SF 06
186 FS?C 01
187 SF 05
188 FS?C 00
189 SF 04
190 SF 02
191 SF 03
192 FS? 04
193 XEQ 02
194 FIX 5
195 ARCL L
196 X<> d
197 STO M
198 >"12"
199 X<> N
200 STO M
201 RCL O
202 STO N
203 RCL P
204 STO O
205 R^
206 ISG L
207 GTO 12
```

```
208 LBL 16
209 0
210 STO P
211 >" " ;Append 1 space
212 XROM 29,01 ;ACA
213 FS? 01
214 XEQ 11
215 XEQ 09
216 XEQ 09
217 XEQ 09
218 ASTO IND 04
219 CLA
220 RTN
221 LBL 01
222 FS? 13
223 CF 10
224 FS? 14
225 CF 10
226 FS? 10
227 RTN
228 CF 12
229 CF 11
230 SF 09
231 FC?C 15
232 SF 15
233 FC? 15
234 RTN
235 FC?C 14
236 SF 14
237 FC? 14
238 RTN
239 CF 13
240 RTN
241 LBL 02
242 FS? 05
243 CF 02
244 FS? 06
245 CF 02
246 FS? 02
247 RTN
248 CF 04
249 CF 03
250 SF 01
251 FC?C 07
252 SF 07
253 FC? 07
254 RTN
255 FC?C 06
256 SF 06
257 FC? 06
258 RTN
259 CF 05
260 RTN
261 LBL 11
262 ASTO T
263 ASHF
264 ASTO Z
265 ASHF
266 ASTO Y
267 ASHF
268 ARCL IND 04
269 ARCL T
270 ARCL Z
271 ARCL Y
272 RTN
273 LBL 09
274 ASTO IND 04
275 ASHF
276 132
277 RCL 04
```

```

278 X>Y?
279 XEQ 06
280 1
281 +
282 STO 04
283 RTN
284 LBL 06
285 FC? 02
286 GTO 07
287 FS?C 02
288 5
289 RTN
290 LBL 07
291 BEEP
292 133
293 RTN
294 LBL "" ;Hex 60 = Superscript T
295 "&7F" ;Append hex 7F = Append character
296 RTN
297 LBL "a"
298 LBL "b"
299 LBL "c"
300 LBL "d"
301 LBL "e"
302 ARCL T
303 RTN
304 LBL "f"
305 "\00" ;1 null
306 RTN
307 LBL "g"
308 "\60" ;Hex 60 = Superscript T
309 RTN
310 LBL "h"
311 "\06" ;Hex 06 = Greek gamma
312 RTN
313 LBL "i"
314 "\04" ;Hex 04 = Greek alpha
315 RTN
316 LBL "j"
317 "\05" ;Hex 05 = Greek beta
318 RTN
319 LBL "k"
320 "\01" ;Hex 01 = Superscript x
321 RTN
322 LBL "l"
323 "\0C" ;Hex 0C = Greek mu
324 RTN
325 LBL "m"
326 "\1D" ;Hex 1D = Not Equal sign
327 RTN
328 LBL "n"
329 "\7E" ;Hex 7E = Sigma
330 RTN
331 LBL "o"
332 "\0D" ;Hex 13 = Angle sign
333 END

```

0280C600F20054A80CA7481212254109F27F00114163B9001B
1110839C01E0000A31E0000A32E0000A339C00872511E0000F
12E0000F13E0000FA74A87206811401215164B12436963A801
7668164034AD01B5009BF3F57F313233341ACE76CE7575A819
90F36175AB19B500F54A422B53508C9F03848B059AF38711E0
000012E0000013E00000A74A1DF1520B758391789B73CE7885
CF0F9BF375166177F27F00049772B6008506CE75CE7E11A900
AC01A802AC01A903AD02A801AD03E0001171CE7ECE75F27F00
CE76CE75719A70678767AEF075A80CA741A90CF120A7419175
779774B4007585CF11AD0185AD02857785019705B10085019B
F3F27F311A10101561907587BF000D9705BE00D000100E9178
F27F2090780F83CE7EA90CA90DA90EA90FAA07A80FAA06A80E
AA05A80DAC04A80CA908A909A80AA80BAA04E00001AC03A807
AC02A806AA01A805AA00A804A802A803AC04E000029C059B74
CE7E9175F37F3132CE7691759077917690789177749674BD00
CF10109178F27F20A741AC01E0000BE00009E00009E000099A
84878502AC0DA90AAC0EA90AAC0A85A90CA90BA809AB0FA80F
AD0F85AB0EA80EAD0E85A90D8503AC05A902AC06A902AC0285
A904A903A801AB07A807AD0785AB06A806AD0685A905850C9A
70889A71889A72889B849B709B719B72850A9A848811131224
45E000061140348507AD02B800AA021585088611131385C64A
F20060F27F7F85C401F20061CA00F20062CA00F20063CA00F2
0064CA00F200659B7085C201F20066F10085C201F20067F160
85C201F20068F10685C201F20069F10485C201F2006AF10585
C201F2006BF10185C201F2006CF10C85C201F2006DF11D85C2
01F2006EF17E85C201F2006FF10DC00109CA

640 BYTES

HP-41C Translate Program T by John McGechie PPC V8 N4 P11 June 1981

Program Registers Needed: 92

Row 1 (1 - 6)



Row 2 (7 - 14)



Row 3 (15 - 20)



Row 4 (21 - 28)



Row 5 (29 - 37)



Row 6 (37 - 48)



Row 7 (49 - 53)



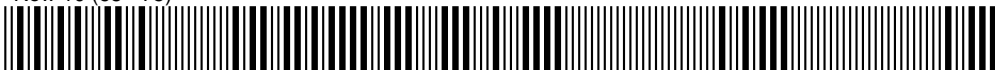
Row 8 (54 - 61)



Row 9 (62 - 67)



Row 10 (68 - 75)



Row 11 (76 - 82)



Row 12 (83 - 91)



Row 13 (92 - 99)



Row 14 (99 - 106)



Row 15 (106 - 112)



Row 16 (113 - 120)



HP-41C Translate Program T by John McGechie PPC V8 N4 P11 June 1981

Row 17 (121 - 127)



Row 18 (128 - 135)



Row 19 (136 - 145)



Row 20 (146 - 151)



Row 21 (152 - 158)



Row 22 (159 - 165)



Row 23 (166 - 172)



Row 24 (172 - 178)



Row 25 (179 - 184)



Row 26 (185 - 191)



Row 27 (191 - 197)



Row 28 (197 - 202)



Row 29 (203 - 210)



Row 30 (210 - 215)



Row 31 (215 - 222)



Row 32 (222 - 229)



Row 33 (229 - 236)



HP-41C Translate Program T by John McGechie PPC V8 N4 P11 June 1981

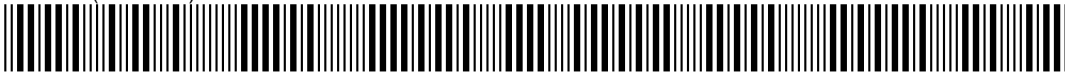
Row 34 (236 - 244)



Row 35 (244 - 251)



Row 36 (251 - 258)



Row 37 (259 - 267)



Row 38 (268 - 275)



Row 39 (276 - 284)



Row 40 (285 - 292)



Row 41 (293 - 297)



Row 42 (297 - 300)



Row 43 (300 - 304)



Row 44 (304 - 308)



Row 45 (308 - 313)



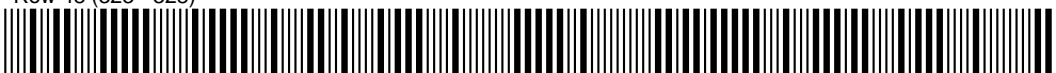
Row 46 (313 - 318)



Row 47 (319 - 322)



Row 48 (323 - 328)



Row 49 (328 - 332)



Row 50 (333)

