

HP-41C Morse Code Program by Richard Nelson
PPC Calculator Journal V7 N2 P51 Feb-Mar 1980

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01 LBL "aa" ;Transmit String of Morse Code
02 CF 27
03 1.1
04 STO 00
05 LBL 00
06 CLA
07 ARCL IND 00
08 ARCL IND 00
09 ASTO X
10 " " ;5 spaces
11 ARCL IND 00
12 AVIEW
13 SF 25
14 XEQ IND X
15 FC? 25
16 SF 27
17 FC? 25
18 STOP
19 ISG 00
20 GTO 00
21 LBL "ee" ;Store Characters to String
22 CLRG
23 1.1
24 LBL 01
25 AON
26 "CHARACTER?"
27 PROMPT
28 ASTO IND X
29 ISG X
30 GTO 01
31 LBL "AA" ;Letter A .-
32 TONE P
33 TONE 8
34 RTN
35 LBL "BB" ;Letter B -...
36 TONE 8
37 TONE P
38 TONE P
39 TONE P
40 RTN
41 LBL "CC" ;Letter C -.-.
42 TONE 8
43 TONE P
44 TONE 8
45 TONE P
46 RTN
47 LBL "DD" ;Letter D -..
48 TONE 8
49 TONE P
50 TONE P
51 RTN
52 LBL "EE" ;Letter E .
53 TONE P
54 RTN
55 LBL "FF" ;Letter F ...
56 TONE P
57 TONE P
58 TONE 8
59 TONE P
60 RTN
61 LBL "GG" ;Letter G --.
62 TONE 8
63 TONE 8
64 TONE P
65 RTN
66 LBL "HH" ;Letter H ....
67 TONE P
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68 TONE P
69 TONE P
70 TONE P
71 RTN
72 LBL "II" ;Letter I ..
73 TONE P
74 TONE P
75 RTN
76 LBL "JJ" ;Letter J .---
77 TONE P
78 TONE 8
79 TONE 8
80 TONE 8
81 RTN
82 LBL "KK" ;Letter K --.
83 TONE 8
84 TONE P
85 TONE 8
86 RTN
87 LBL "LL" ;Letter L ...
88 TONE P
89 TONE 8
90 TONE P
91 TONE P
92 RTN
93 LBL "MM" ;Letter M --
94 TONE 8
95 TONE 8
96 RTN
97 LBL "NN" ;Letter N -.
98 TONE 8
99 TONE P
100 RTN
101 LBL "OO" ;Letter O ---
102 TONE 8
103 TONE 8
104 TONE 8
105 RTN
106 LBL "PP" ;Letter P ---.
107 TONE P
108 TONE 8
109 TONE 8
110 TONE P
111 RTN
112 LBL "QQ" ;Letter Q ---.
113 TONE 8
114 TONE 8
115 TONE P
116 TONE 8
117 RTN
118 LBL "RR" ;Letter R --.
119 TONE P
120 TONE 8
121 TONE P
122 RTN
123 LBL "SS" ;Letter S ...
124 TONE P
125 TONE P
126 TONE P
127 RTN
128 LBL "TT" ;Letter T -
129 TONE 8
130 RTN
131 LBL "UU" ;Letter U ...-
132 TONE P
133 TONE P
134 TONE 8
135 RTN
136 LBL "VV"
137 TONE P ;Letter V ...-

138 TONE P
139 TONE P
140 TONE 8
141 RTN
142 LBL "WW" ;Letter W .--
143 TONE P
144 TONE 8
145 TONE 8
146 RTN
147 LBL "XX" ;Letter X ---
148 TONE 8
149 TONE P
150 TONE P
151 TONE 8
152 RTN
153 LBL "YY" ;Letter Y ---
154 TONE 8
155 TONE P
156 TONE 8
157 TONE 8
158 RTN
159 LBL "ZZ" ;Letter Z ---
160 TONE 8
161 TONE 8
162 TONE P
163 TONE P
164 RTN
165 LBL "==" ;Symbol = ----
166 TONE 8
167 TONE P
168 TONE P
169 TONE P
170 TONE 8
171 RTN
172 LBL "??" ;Symbol ? ----
173 TONE P
174 TONE P
175 TONE 8
176 TONE 8
177 TONE P
178 TONE P
179 RTN
180 LBL "^^" ;Symbol : ----
181 TONE 8
182 TONE 8
183 TONE 8
184 TONE P
185 TONE P
186 TONE P
187 RTN
188 LBL " " ;Space (pause)
189 1.2
190 SIN
191 RTN
192 LBL "~" ;~SIGMA , ----
193 TONE 8
194 TONE 8
195 TONE P
196 TONE P
197 TONE 8
198 TONE 8
199 RTN
200 LBL "/" ;Symbol / ----
201 TONE 8
202 TONE P
203 TONE P
204 TONE 8
205 TONE P
206 RTN
207 LBL "--" ;Symbol - ----

208 TONE 8
209 TONE P
210 TONE P
211 TONE P
212 TONE P
213 TONE 8
214 RTN
215 LBL "00" ;Number 0 -----
216 TONE 8
217 TONE 8
218 TONE 8
219 TONE 8
220 TONE 8
221 RTN
222 LBL "11" ;Number 1 .-----
223 TONE P
224 TONE 8
225 TONE 8
226 TONE 8
227 TONE 8
228 RTN
229 LBL "22" ;Number 2 ..----
230 TONE P
231 TONE P
232 TONE 8
233 TONE 8
234 TONE 8
235 RTN
236 LBL "33" ;Number 3 ...--
237 TONE P
238 TONE P
239 TONE P
240 TONE 8
241 TONE 8
242 RTN
243 LBL "44" ;Number 4-
244 TONE P
245 TONE P
246 TONE P
247 TONE P
248 TONE 8
249 RTN
250 LBL "55" ;Number 5
251 TONE P
252 TONE P
253 TONE P
254 TONE P
255 TONE P
256 RTN
257 LBL "66" ;Number 6 -....
258 TONE 8
259 TONE P
260 TONE P
261 TONE P
262 TONE P
263 RTN
264 LBL "77" ;Number 7 --...
265 TONE 8
266 TONE 8
267 TONE P
268 TONE P
269 TONE P
270 RTN
271 LBL "88" ;Number 8 ---..
272 TONE 8
273 TONE 8
274 TONE 8
275 TONE P
276 TONE P
277 RTN

278 LBL "99" ;Number 9 ----.
279 TONE 8
280 TONE 8
281 TONE 8
282 TONE 8
283 TONE P
284 RTN
285 LBL "***" ;Symbol . .-.-.-
286 TONE P
287 TONE 8
288 TONE P
289 TONE 8
290 TONE P
291 TONE 8
292 RTN
293 LBL "CM" ;Symbol , --.---
294 TONE 8
295 TONE 8
296 TONE P
297 TONE P
298 TONE 8
299 TONE 8
300 RTN
301 END

02F0C000F3006161A91B111A113001879B809B809A73F52020
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85C0000DE6

752 BYTES

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Program Registers Needed: 108

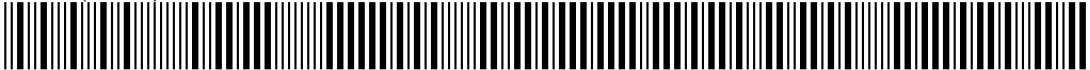
Row 1 (1 - 5)



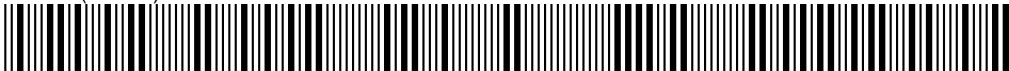
Row 2 (6 - 10)



Row 3 (11 - 17)



Row 4 (18 - 23)



Row 5 (23 - 26)



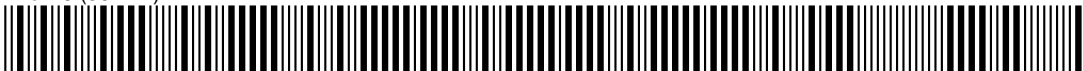
Row 6 (26 - 31)



Row 7 (31 - 35)



Row 8 (36 - 41)



Row 9 (41 - 47)



Row 10 (47 - 52)



Row 11 (52 - 55)



Row 12 (56 - 61)



Row 13 (61 - 66)



Row 14 (66 - 72)



Row 15 (72 - 76)



Row 16 (76 - 82)



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Row 17 (82 - 87)



Row 18 (87 - 92)



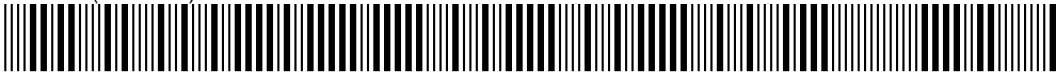
Row 19 (93 - 97)



Row 20 (97 - 101)



Row 21 (101 - 106)



Row 22 (106 - 112)



Row 23 (112 - 117)



Row 24 (118 - 122)



Row 25 (123 - 127)



Row 26 (128 - 131)



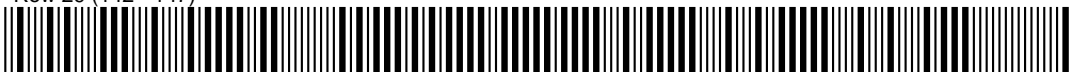
Row 27 (131 - 136)



Row 28 (136 - 142)



Row 29 (142 - 147)



Row 30 (147 - 152)



Row 31 (153 - 157)



Row 32 (157 - 162)



Row 33 (162 - 167)



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Row 34 (167 - 172)



Row 35 (172 - 178)



Row 36 (179 - 183)



Row 37 (184 - 188)



Row 38 (189 - 193)



Row 39 (194 - 200)



Row 40 (200 - 205)



Row 41 (205 - 210)



Row 42 (210 - 215)



Row 43 (215 - 222)



Row 44 (222 - 226)



Row 45 (227 - 231)



Row 46 (232 - 236)



Row 47 (237 - 243)



Row 48 (243 - 248)



Row 49 (248 - 253)



Row 50 (253 - 258)



HP-41C Morse Code Program by Richard Nelson PPC V7 N2 P51 Feb-Mar 1980

Row 51 (258 - 264)



Row 52 (264 - 269)



Row 53 (270 - 274)



Row 54 (275 - 279)



Row 55 (280 - 285)



Row 56 (285 - 291)



Row 57 (291 - 296)



Row 58 (296 - 301)

