

HP-41C Partial Alpha Editor by Carter P. Buck
PPC Calculator Journal Vol 10 N2 P19 Mar 1983

```
01 LBL "S/"      ;Search and Delete, with Flag Option
02 CF 25
03 ABS
04 AOFF
05 INT
06 X=0?
07 GTO 14
08 CF 20
09 GTO 13
10 LBL "S*"      ;Search and Replace and/or Search and Flag
11 CF 25
12 ABS
13 AOFF
14 INT
15 X=0?
16 GTO 14
17 SF 20
18 LBL 13
19 CF 22
20 SF 23
21 X<> L
22 FRC
23 X=0?
24 X#Y?
25 GTO 13
26 AON
27 LBL 14
28 X<> d
29 SF 03
30 X<> d
31 FC? 48
32 RTN
33 AOFF
34 X<>Y
35 LBL 13
36 X<> L
37 INT
38 FC? 00
39 GTO 14
40 14
41 X<Y?
42 X<>Y
43 RDN
44 STO T
45 LBL 05
46 CF IND T
47 DSE T
48 GTO 05
49 GTO 14
50 LBL "Mc"      ;Move Character
51 CF 25
52 X=0?
53 RTN
54 SF 24
55 GTO 13
56 LBL "Pc"      ;Exchange Characters
57 CF 25
58 X=0?
59 RTN
60 CF 24
61 LBL 13
62 CF 20
63 GTO 13
64 LBL "Rc"      ;Reverse Characters
65 CF 25
66 X=0?
67 RTN
```

68 SF 20
69 CF 24
70 LBL 13
71 CF 25
72 AOFF
73 ABS
74 ENTER
75 FRC
76 ST- Y
77 SIGN
78 RDN
79 E3
80 ST* L
81 X<> L
82 INT
83 X=0?
84 SIGN
85 X<>Y
86 X=0?
87 SIGN
88 SIGN
89 RDN
90 14
91 X<Y?
92 X<>Y
93 RDN
94 X<> L
95 14
96 X<Y?
97 X<>Y
98 X<> L
99 X=Y?
100 GTO 13
101 FS? 20
102 X>Y?
103 X<>Y
104 FC? 24
105 FS? 20
106 X=Y?
107 X<>Y
108 FC? 24
109 GTO 06
110 X#Y?
111 SF 25
112 X#Y?
113 GTO 06
114 LBL 13
115 CF 20
116 CF 24
117 SIGN
118 RDN
119 E3
120 ST/ Y
121 X<> L
122 ST+ Y
123 CLX
124 ABS
125 RDN
126 RTN
127 LBL 06
128 XEQ 13
129 LASTX
130 X<> Z
131 FS?C 24
132 GTO 12
133 SF 22
134 XEQ 08
135 LASTX
136 X<> Z
137 SF 22

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138 SF 23
139 XEQ 08
140 X<>Y
141 LASTX
142 FC? 20
143 GTO 11
144 ISG X
145 AOFF
146 DSE Y
147 X<Y?
148 GTO 06
149 CF 20
150 CLST
151 ABS
152 RTN
153 LBL 12
154 AON
155 XEQ 10
156 X<>Y
157 LASTX
158 LBL 11
159 E3
160 /
161 +
162 X<>Y
163 SIGN
164 ENTER
165 ENTER
166 R^
167 RTN
168 LBL "Nc" ;Nth Character
169 CF 25
170 ABS
171 GTO 13
172 LBL "Xc" ;Nth Character with Delete
173 CF 25
174 ABS
175 SF 25
176 LBL 13
177 CF 22
178 CF 23
179 AOFF
180 GTO 13
181 LBL "Ec" ;Exchange Characters
182 CF 25
183 ABS
184 CF 23
185 AOFF
186 GTO 12
187 LBL "Ic" ;Insert Characters
188 CF 25
189 ABS
190 AON
191 INT
192 14
193 X<Y?
194 X<>Y
195 RDN
196 LBL 10
197 DSE X
198 GTO 11
199 >"\00" ;Append 1 null
200 GTO 10
201 LBL "Sc" ;Substitute Character
202 CF 25
203 ABS
204 LBL 10
205 AOFF
206 LBL 11
207 SF 23

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```

208 LBL 12
209 SF 22
210 LBL 14
211 LASTX
212 FRC
213 X=0?
214 GTO 14
215 E3
216 *
217 SF 25
218 XROM 25,00 ;Check for Presence of the Extended Function Module
219 FC?C 25 ;Previous line deletes all global label assignments!
220 CLX ;Reference: PPC Calculator Journal NOP V10 N4 P2
221 X=0?
222 GTO 12
223 256
224 MOD
225 >"\10\00\00\00\00\00" ;Append 10 hex, 5 nulls
226 XROM 25,47 ;XTOA
227 X<> P
228 X<> O
229 X<> N
230 X<> M
231 LBL 12
232 X<>Y
233 GTO 13
234 LBL 14
235 RDN
236 LBL 13
237 INT
238 X<=0?
239 SIGN
240 ABS
241 14
242 X<Y?
243 X<>Y
244 RDN
245 LBL 08
246 CF 19
247 E1
248 X<>Y
249 -
250 2
251 X>Y?
252 SF 19
253 FS? 48
254 X#Y?
255 X=0?
256 SF 19
257 CLX
258 FC? 19
259 GTO 08
260 GTO IND L
261 LBL 09
262 >"\00" ;Append 1 null
263 LBL 10
264 >"\00" ;Append 1 null
265 LBL 11
266 >"\00" ;Append 1 null
267 LBL 12
268 >"\00" ;Append 1 null
269 LBL 13
270 >"\00" ;Append 1 null
271 LBL 14
272 X<> d
273 GTO 14
274 LBL 08
275 X<> d
276 SCI IND Y
277 ARCL Y

```

```
278 SCI 0
279 LBL 14
280 SF 11
281 X<> d
282 X<> O
283 X<>Y
284 CLX
285 X<> P
286 FC? 48
287 >"\00" ;Append 1 null
288 FS? 22
289 X<> Z
290 FC? 22
291 RCL O
292 FS? 23
293 FS? 22
294 GTO 14
295 R^
296 X#Y?
297 GTO 13
298 RDN
299 FS? 20
300 FC? 24
301 GTO 12
302 SF 25
303 RDN
304 RCL IND 00
305 FS?C 25
306 GTO 12
307 SF 25
308 RCL 00
309 FC?C 25
310 .
311 LBL 12
312 FC? 20
313 SF 25
314 FC? 00
315 GTO 12
316 SF 01
317 SF IND L
318 GTO 12
319 LBL 14
320 FS?C 23
321 STO O
322 GTO 12
323 LBL 13
324 RDN
325 LBL 12
326 X<> O
327 X<> Z
328 FC?C 22
329 X<>Y
330 FS? 25
331 >"\00" ;Append 1 null
332 >"\00\00\00\00\00\00" ;Append 6 nulls
333 STO P
334 RDN
335 X<> O
336 X<> N
337 STO M
338 FC? 48
339 DSE L
340 CLX
341 AOFF
342 RDN
343 LASTX
344 FS? 25
345 DSE X
346 X=0?
347 GTO 00
```

```

348 FC? 19
349 GTO 14
350 CF 25
351 GTO IND X
352 LBL 13
353 >"\00"      ;Append 1 null
354 LBL 12
355 >"\00"      ;Append 1 null
356 LBL 11
357 >"\00"      ;Append 1 null
358 LBL 10
359 >"\00"      ;Append 1 null
360 LBL 09
361 >"\00"      ;Append 1 null
362 LBL 08
363 >"\00"      ;Append 1 null
364 LBL 07
365 >"\00"      ;Append 1 null
366 GTO 13
367 LBL 00
368 CF 25
369 X=0?
370 >"\00"      ;Append 1 null
371 GTO 13
372 LBL 14
373 10^X
374 RCL d
375 FIX 0
376 CF 29
377 ARCL Y
378 STO d
379 RDN
380 LBL 13
381 CLX
382 FS?C 25
383 ISG L
384 CLX
385 ISG L
386 CLX
387 X<> P
388 FS? 19
389 X<> O
390 X<> N
391 FC? 19
392 CLX
393 FC?C 19
394 X<> O
395 STO M
396 CLX
397 STO T
398 RDN
399 FC? 23
400 RTN
401 X<> L
402 DSE X
403 GTO 08
404 CF 20
405 CF 23
406 X<>Y
407 FC? 00
408 RTN
409 LASTX
410 X#Y?
411 FS? 01
412 CF 00
413 X#Y?
414 CF 01
415 SIGN
416 X<>Y
417 END

```

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6B

723 BYTES

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Program Registers Needed: 104

Row 1 (1 - 7)



Row 2 (7 - 11)



Row 3 (12 - 20)



Row 4 (21 - 29)



Row 5 (30 - 38)



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Row 6 (39 - 46)



Row 7 (47 - 50)



Row 8 (51 - 56)



Row 9 (56 - 64)



Row 10 (64 - 69)



Row 11 (70 - 79)



Row 12 (80 - 90)



Row 13 (90 - 99)



Row 14 (100 - 108)



Row 15 (108 - 116)



Row 16 (116 - 124)



Row 17 (125 - 132)



Row 18 (133 - 139)



Row 19 (139 - 146)



Row 20 (147 - 155)



Row 21 (156 - 167)



Row 22 (168 - 172)



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Row 23 (172 - 178)



Row 24 (178 - 183)



Row 25 (184 - 188)



Row 26 (189 - 198)



Row 27 (199 - 202)



Row 28 (203 - 213)



Row 29 (214 - 221)



Row 30 (222 - 225)



Row 31 (225 - 232)



Row 32 (233 - 243)



Row 33 (244 - 253)



Row 34 (253 - 261)



Row 35 (262 - 268)



Row 36 (268 - 275)



Row 37 (275 - 282)



Row 38 (282 - 289)



Row 39 (289 - 296)



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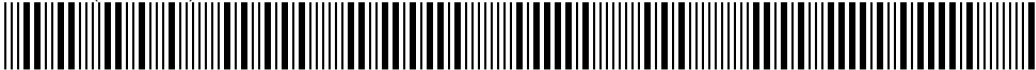
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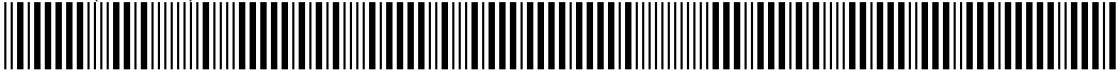
Row 41 (304 - 312)



Row 42 (312 - 318)



Row 43 (319 - 327)



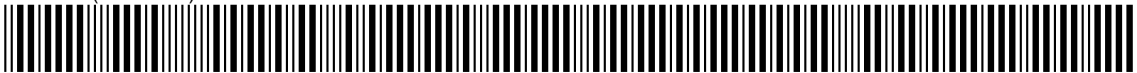
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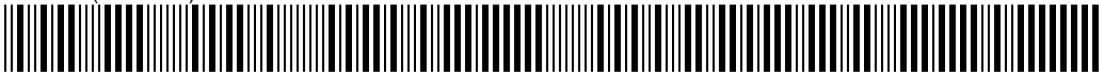
Row 45 (332 - 337)



Row 46 (338 - 346)



Row 47 (347 - 353)



Row 48 (353 - 359)



Row 49 (360 - 366)



Row 50 (366 - 374)



Row 51 (374 - 382)



Row 52 (382 - 389)



Row 53 (390 - 397)



Row 54 (397 - 404)



Row 55 (404 - 412)



Row 56 (413 - 417)

