

HP-41C Load Bytes (Stand Alone) from PPC ROM
PPC Calculator Journal Vol 8 N3 P21 May 1981
Used with original Wand Byte-Loading Program

```
01 LBL 00
02 STOP
03 GTO "++" ;Buffer to be added by user
04 LBL "LB" ;Load Bytes - XROM 10,22
05 FS? 50
06 GTO 00
07 "DEC/HEX INPT"
08 XEQ "VA" ;VA (View Alpha - Line 258)
09 CF 08
10 GTO 13
11 LBL "L-" ;Load Half of LB - XROM 10,23
12 CLA
13 XEQ "VA" ;VA (View Alpha - Line 258)
14 CF 08
15 RCL a
16 STO M
17 RCL b
18 FS? 08
19 GTO 14
20 STO N
21 SF 08
22 LBL 13
23 12
24 XEQ "VS" ;VS (Verify Size - Line 302)
25 FC?C 25
26 PROMPT
27 CLST
28 STO 06
29 SIGN
30 ENTER
31 ENTER
32 R^
33 GTO "++" ;Buffer to be added by user
34 LBL 00
35 RCL b
36 FC? 08
37 GTO 14
38 CLD
39 X<> M
40 STO a
41 X<> N
42 X<> b
43 LBL 14
44 XEQ "RT" ;RT (Return Address to Decimal - Line 322)
45 117
46 X<>Y
47 -
48 7
49 XEQ "QR" ;QR (Quotient Remainder - Line 341)
50 ST- Z
51 X<>Y
52 CHS
53 STO 09
54 X<> Z
55 LASTX
56 XEQ "QR" ;QR (Quotient Remainder - Line 341)
57 1.001
58 ST* 09
59 ST+ Y
60 FRC
61 ST* T
62 X<>Y
63 R^
64 +
65 *
66 X<>Y
```

```
67 X<=0?
68 GTO 10
69 ST+ 09
70 7
71 *
72 +
73 STO 07
74 XEQ "OM" ;OM (Open Memory - Line 381)
75 X<> c
76 STO 10
77 CLST
78 LBL 06
79 STO 11
80 CLA
81 LBL 07
82 ASTO 08
83 X<>Y
84 ISG 06
85 LBL 15
86 SF 09
87 FS? 08
88 RTN
89 CF 22
90 CF 23
91 FIX 0
92 CF 29
93 "#"
94 ARCL 06
95 ">" OF "
96 ARCL 07
97 ">?"
98 XEQ "VA" ;VA (View Alpha - Line 258)
99 TONE 87
100 STOP
101 FS? 48
102 GTO 14
103 FC? 22
104 GTO 19
105 GTO 08
106 LBL 14
107 FC? 23
108 GTO 19
109 XEQ "XD" ;XD (Hex to Decimal - Line 240)
110 LBL 08
111 X<0?
112 GTO 03
113 ENTER
114 CLA
115 ARCL 08
116 XEQ "DC" ;DC (Decimal to Character - Line 268)
117 RCL 06
118 X<=0?
119 GTO 10
120 7
121 MOD
122 X#0?
123 GTO 07
124 X<>Y
125 RCL 09
126 RCL 10
127 X<> c
128 RCL M
129 STO IND Z
130 X<>Y
131 X<> c
132 R^
133 RCL 08
134 DSE 09
135 GTO 06
136 ISG 09
```

```
137 LBL 20
138 CF 09
139 CLX
140 X<>Y
141 RCL 07
142 FRC
143 E3
144 *
145 AOFF
146 FIX 0
147 "SST, DEL 00"
148 ARCL X
149 FIX 3
150 XEQ "VA" ;VA (View Alpha - Line 258)
151 BEEP
152 GTO 00
153 LBL 01
154 RCL 06
155 X>0?
156 GTO 09
157 LBL 10
158 "SST, MORE + S"
159 XEQ "VA" ;VA (View Alpha - Line 258)
160 TONE 83
161 GTO 00
162 LBL 03
163 "*CORRECTION*"
164 XEQ "VA" ;VA (View Alpha - Line 258)
165 TONE 6
166 FC? 09
167 GTO 01
168 DSE 06
169 GTO 14
170 ISG 06
171 GTO 10
172 LBL 14
173 RCL 06
174 7
175 MOD
176 X=0?
177 ISG 09
178 GTO 14
179 RCL 11
180 X=Y?
181 GTO 13
182 STO 08
183 RDN
184 STO 11
185 GTO 09
186 LBL 13
187 TONE 54
188 6
189 ST- 06
190 R^
191 GTO 15
192 LBL 14
193 CLA
194 ARCL 08
195 ARCL 10
196 CLX
197 X<> N
198 STO M
199 ASTO 08
200 LBL 09
201 RDN
202 GTO 15
203 LBL "-B" ;Store Part of LB - XROM 10,24
204 FC? 08
205 GTO 15
206 FS? 09
```

```

207 GTO 08
208 LBL 19
209 RCL 06
210 X<=0?
211 GTO 10
212 CHS
213 ISG X
214 7
215 MOD
216 X=0?
217 GTO 14
218 CLA
219 ARCL 08
220 LBL 11
221 >"\00" ;Append 1 null
222 DSE X
223 GTO 11
224 X<> M
225 LBL 14
226 RCL 09
227 X<>Y
228 RCL 10
229 X<> c
230 X<>Y
231 LBL 12
232 STO IND Z
233 CLX
234 DSE Z
235 GTO 12
236 RDN
237 X<> c
238 RDN
239 GTO 20
240 LBL "XD" ;Hex to Decimal - XROM 10,25
241 >"\00\08" ;Append 1 null, 08 hex
242 RCL M
243 E2
244 XEQ "QR" ;QR (Quotient Remainder - Line 341)
245 29
246 ST- Z
247 -
248 .9
249 ST* Z
250 *
251 INT
252 X<>Y
253 INT
254 16
255 *
256 +
257 RTN
258 LBL "VA" ;View Alpha - XROM 10,07
259 SF 25
260 XROM 29,08 ;PRA
261 SF 25
262 FS?C 21
263 CF 25
264 AVIEW
265 FC?C 25
266 SF 21
267 RTN
268 LBL "DC" ;Decimal to Character - XROM 10,11
269 INT
270 256
271 MOD
272 LASTX
273 +
274 OCT
275 X<> d
276 FS?C 11

```

```

277 SF 12
278 FS?C 10
279 SF 11
280 FS?C 09
281 SF 10
282 FS? 07
283 SF 09
284 FS? 06
285 SF 08
286 X<> d
287 X<> M
288 RCL N
289 >"*" ;Append 1 asterisk
290 X<> O
291 X<>Y
292 STO N
293 X<> P
294 >"*" ;Append 1 asterisk
295 STO P
296 RDN
297 X<> O
298 X<> N
299 STO M
300 RDN
301 RTN
302 LBL "VS" ;Verify Size - XROM 10,30
303 SF 25
304 INT
305 RDN
306 DSE T
307 "" ;F0=null string (NOP)
308 RCL IND T
309 RDN
310 FS? 25
311 RTN
312 "RESIZE>= "
313 TONE 73
314 R^
315 RCL d
316 FIX 0
317 CF 29
318 ARCL L
319 STO d
320 RDN
321 RTN
322 LBL "RT" ;Return Address to Decimal - XROM 10,51
323 STO M
324 >"*****" ;Append 5 asterisks
325 X<> N
326 XEQ "2D" ;2D (Decode 2 Bytes to Decimal - Line 353)
327 2
328 /
329 INT
330 LASTX
331 FRC
332 512
333 *
334 RCL M
335 +
336 7
337 *
338 +
339 CLA
340 RTN
341 LBL "QR" ;Quotient to Remainder - XROM 10,54
342 X<>Y
343 STO O
344 X<>Y
345 MOD
346 ST- O

```

```

347 LASTX
348 ST/ O
349 CLX
350 X<> O
351 X<>Y
352 RTN
353 LBL "2D" ;Decode 2 Bytes to Decimal - XROM 10,55
354 "*" ;1 asterisk
355 X<> M
356 X<> N
357 ASHF
358 >"\00\07\00\60\00\00" ;Append 000700600000 hex
359 X<> M
360 X<> N
361 X<> M
362 >"\00\00\05" ;Append 2 nulls, 05 hex
363 RCL M
364 INT
365 +
366 RCL N
367 *
368 ST+ M
369 X<> N
370 RCL O
371 INT
372 HMS
373 *
374 RCL O
375 +
376 E1
377 ST* M
378 *
379 X<> M
380 RTN
381 LBL "OM" ;Open Memory - XROM 10,58
382 RCL c
383 STO M
384 >"\00\00\00\00\00" ;Append 5 nulls
385 X<> M
386 X<> d
387 CF 00
388 CF 01
389 CF 02
390 CF 03
391 X<> d
392 "\1F\F0\01\69\01" ;1FF0016901 hex
393 X<> M
394 STO N
395 >"*" ;Append 2 asterisks
396 X<> N
397 CLA
398 X<> c
399 RTN
400 END

```

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Used with original Wand Byte-Loading Program

033001841DF22B2BC000F3004C42AC32B100FC4445432F4845
5820494E50541EF25641A908BE00C000F3004C2D871EF25641
A908907B9175907CAC08BF009176A8080E11121EF25653AB19
8E73367A8383741DF22B2B01907CAD08BF007FCE75917BCE76
CE7C0F1EF252541111177141171EF251529371715439CE7176
1EF25152111A1010119409927269947071744042717BBB0092
09174240371EF24F4DCE7D3A73073B87089A08719606CF0FA8
09AC0885A916A9179C00A91DF1239B06F57F204F46209B07F2
7F3F1EF256419F5784AC30BF00AD16D00013B9000FAD17D000
131EF258440966B40083879B081EF24443267BBB00174B63B8
0071292ACE7D907591F171CE7D74289709B7009609CF14A909
777127691B13428B9C00FB5353542C2044454C2030309B739C
031EF2564186B100022664BA000BFD5353542C204D4F524520
2B92531EF256419F53B10004FC2A434F5252454354494F4E2A
1EF256419F06AD09B2009706BF009606BB000F26174B679609
BF002B78BE0038753BBA000E9F3616930674D0000F0F879B08
9B0A77CE7691759A080A75D0000FC000F3002D42AD08D0000F
AC09B900CF13267BBB00549673174B67BF00879B080CF27F00
9773BC00CE750F29712ACE7D710D91F1779771BD0075CE7D75
D00014C000F3005844F37F000890751B121EF2515212199371
411A199471426871681116424085C000F3005641A819A748A8
19AA15A9197EAB19A81585C000F3004443681215164B76406F
CE7EAA0BA80CAA0AA80BAA09A80AAC07A809AC06A808CE7ECE
759076F27F2ACE77719176CE78F27F2A917875CE77CE769175
7585C000F3005653A81968759770F090F075AC1985F9524553
495A453E3D209F4974907E9C00A91D9B74917E7585C000F300
52549175F67F2A2A2A2ACE761EF232441243687669151112
429075401742408785C000F3005152719177714B9377769577
77CE777185C000F3003244F12ACE75CE7688F77F0007006000
00CE75CE76CE75F47F000005907568409076429275CE769077
686C429077401B11947542CE7585C000F3004F4D907D9175F6
7F0000000000CE75CE7EA900A901A902A903CE7EF51FF00169
01CE759176F37F2A2ACE7687CE7D85C0000DAF

816 BYTES

HP-41C Load Bytes (WB Stand Alone) from PPC ROM V8 N3 P21 May 1981

Program Registers Needed: 117

Row 1 (1 - 5)



Row 2 (5 - 7)



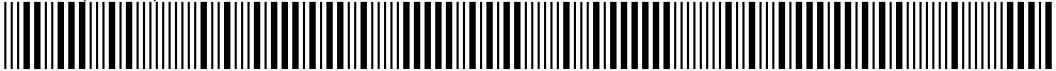
Row 3 (7 - 11)



Row 4 (11 - 15)



Row 5 (16 - 22)



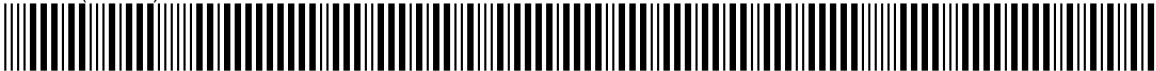
Row 6 (23 - 30)



Row 7 (31 - 37)



Row 8 (38 - 44)



Row 9 (44 - 50)



Row 10 (51 - 57)



Row 11 (57 - 65)



Row 12 (66 - 74)



Row 13 (74 - 84)



Row 14 (84 - 91)



Row 15 (91 - 95)



Row 16 (96 - 101)



HP-41C Load Bytes (WB Stand Alone) from PPC ROM V8 N3 P21 May 1981

Row 17 (101 - 107)



Row 18 (108 - 114)



Row 19 (115 - 122)



Row 20 (123 - 131)



Row 21 (131 - 138)



Row 22 (139 - 147)



Row 23 (147 - 149)



Row 24 (150 - 157)



Row 25 (158)



Row 26 (158 - 163)



Row 27 (163 - 164)



Row 28 (164 - 170)



Row 29 (171 - 180)



Row 30 (181 - 189)



Row 31 (190 - 197)



Row 32 (198 - 203)



Row 33 (203 - 208)

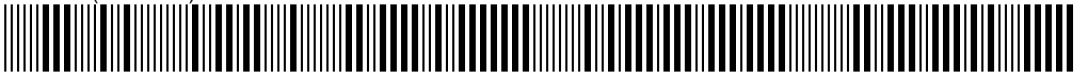


HP-41C Load Bytes (WB Stand Alone) from PPC ROM V8 N3 P21 May 1981

Row 34 (209 - 218)



Row 35 (219 - 225)



Row 36 (226 - 235)



Row 37 (235 - 240)



Row 38 (240 - 244)



Row 39 (245 - 253)



Row 40 (254 - 259)



Row 41 (260 - 266)



Row 42 (267 - 272)



Row 43 (273 - 280)



Row 44 (280 - 286)



Row 45 (287 - 293)



Row 46 (293 - 299)



Row 47 (300 - 306)



Row 48 (306 - 312)



Row 49 (312 - 317)



Row 50 (317 - 322)



HP-41C Load Bytes (WB Stand Alone) from PPC ROM V8 N3 P21 May 1981

Row 51 (323 - 326)



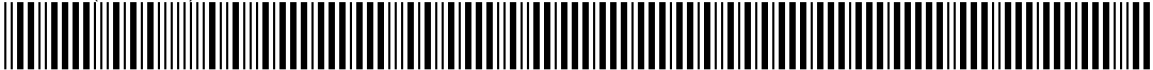
Row 52 (326 - 334)



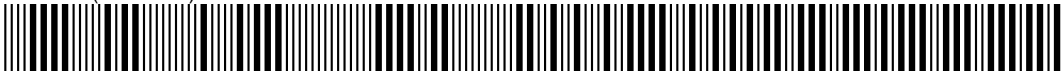
Row 53 (335 - 342)



Row 54 (343 - 351)



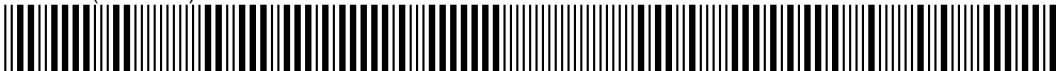
Row 55 (352 - 356)



Row 56 (357 - 360)



Row 57 (361 - 366)



Row 58 (367 - 375)



Row 59 (376 - 381)



Row 60 (381 - 385)



Row 61 (385 - 391)



Row 62 (392 - 395)



Row 63 (395 - 400)

