

```
01 LBL "HP" ;Hexapawn Program
02 LBL B
03 2
04 RCL 25
05 FRC
06 RCL 09
07 *
08 FIX 1
09 RND
10 Y^X
11 ST+ IND 25
12 -1
13 RTN
14 LBL A
15 CF 00
16 STO 22
17 STO 00
18 7
19 RCL 08
20 *
21 FRC
22 STO 08
23 3
24 STO 03
25 *
26 INT
27 STO 25
28 STO 05
29 RCL 20
30 RCL 22
31 X#Y?
32 GTO IND 25
33 LBL e
34 SF 00
35 RCL 05
36 3
37 *
38 1
39 +
40 STO 25
41 XEQ 05
42 XEQ 08
43 GTO e
44 LBL 00
45 8
46 STO 25
47 RCL 00
48 1
49 %
50 LBL 04
51 STO 07
52 FRC
53 .2
54 X=Y?
55 XEQ 05
56 RCL 07
57 FIX 1
58 RND
59 RCL 21
60 /
61 DSE 25
62 GTO 04
63 GTO 08
64 LBL 05
65 8
66 RCL 25
```

```
67 -
68 10^X
69 9
70 *
71 GTO 03
72 LBL 01
73 LBL 02
74 RCL IND 25
75 STO 24
76 STO 04
77 9
78 STO 25
79 STO 07
80 LBL 06
81 RCL 21
82 ST* 04
83 RCL 00
84 RCL 04
85 INT
86 ST- 04
87 10^X
88 /
89 INT
90 RCL 21
91 /
92 FRC
93 ST+ 07
94 1.2
95 RCL 07
96 X=Y?
97 XEQ 07
98 FRC
99 RCL 21
100 *
101 STO 07
102 DSE 25
103 GTO 06
104 LBL 08
105 1
106 ST- 03
107 ST- 05
108 RCL 03
109 1/X
110 RCL 05
111 X<0?
112 2
113 STO 05
114 FS? 00
115 RTN
116 STO 25
117 GTO IND 25
118 LBL 07
119 RCL 24
120 8
121 RCL 25
122 -
123 10^X
124 *
125 FRC
126 RCL 21
127 *
128 FRC
129 LASTX
130 INT
131 10^X
132 ST+ 00
133 X<>Y
134 RCL 21
135 *
136 INT
```

137 10^X
138 LBL 03
139 ST- 00
140 ST- 00
141 RCL 25
142 STO 23
143 RCL 00
144 STO 06
145 XEQ 09
146 XEQ 09
147 E3
148 *
149 X<>Y
150 RCL 06
151 XEQ c
152 RCL 06
153 X<=Y?
154 X<>Y
155 E6
156 *
157 +
158 +
159 SIN
160 3 E2
161 *
162 ABS
163 .2
164 -
165 INT
166 RCL 09
167 /
168 RCL 21
169 +
170 STO 25
171 FRC
172 RCL 09
173 *
174 RND
175 2
176 X<>Y
177 Y^X
178 RCL IND 25
179 X<>Y
180 /
181 INT
182 2
183 /
184 FRC
185 X#0?
186 GTO b
187 LBL d
188 FIX 0
189 RCL 00
190 STOP
191 LBL 09
192 E3
193 ST/ 06
194 RCL 06
195 FRC
196 ST- 06
197 *
198 ENTER
199 LBL c
200 2
201 -
202 RCL 21
203 /
204 FRC
205 X=0?
206 GTO d

```

207 RDN
208 RTN
209 LBL b
210 RCL 23
211 STO 25
212 RCL 22
213 STO 00
214 RCL 07
215 RTN
216 LBL "HL" ;Hexapawn Load Registers
217 AON
218 "LOADING REGS"
219 PSE
220 AOFF
221 0
222 STO 00
223 .031642758
224 STO 01
225 .637048152
226 STO 02
227 0
228 STO 03
229 STO 04
230 STO 05
231 STO 06
232 STO 07
233 .338224640
234 STO 08
235 30
236 STO 09
237 201201201
238 STO 20
239 10
240 STO 21
241 0
242 STO 22
243 STO 23
244 STO 24
245 STO 25
246 AON
247 "DONE"
248 PSE
249 AOFF
250 RTN
251 END

```

```

019CC000F3004850CF671290196929429C016E5392991C1185
CF66A9009116301728426938133342689119359014901679AE
19CF7FA80025134211409119E00005E00008D0007F01189119
20114C0537691A1278E00005279C016E9015439719B500B900
0618901941571942B400020390999118341991193707901594
042024689304574368901543699207111A122778E000076990
1542379719B700091193039305236025661235AC00859119AE
19089018189019415742699015426976685792007190154268
570493009300901991172036E00009E000091B13427126E000
7D2646711B1642404059131B1242611A124168294390154091
196929426E127153909971436812436963D0007CCF7E9C0020
840A1B139506266993064283CF7D12419015436967D0007E75
85CF7C901791199016302785C000F300484C8CFC4C4F414449
4E472052454753898B10301A101311161412171518311A1613
17101418111512321033343536371A13131812121416141038
13103912101112101112101191141110911510911691179118
91198CF4444F4E45898B85C0000D5F

```

412 BYTES

HP-41C Cybernetic Hexapawn Program PPC V7 N4 P32 May 1980

Program Registers Needed: 59

Row 1 (1 - 6)



Row 2 (7 - 15)



Row 3 (15 - 26)



Row 4 (27 - 34)



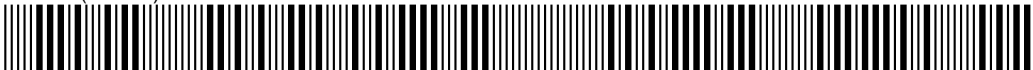
Row 5 (34 - 42)



Row 6 (42 - 51)



Row 7 (52 - 59)



Row 8 (60 - 68)



Row 9 (69 - 78)



Row 10 (78 - 87)



Row 11 (88 - 96)



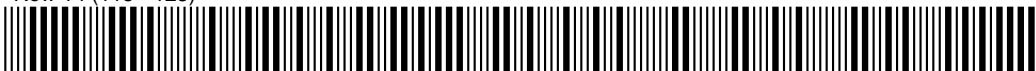
Row 12 (97 - 104)



Row 13 (105 - 114)



Row 14 (115 - 123)



Row 15 (124 - 134)



Row 16 (134 - 142)



HP-41C Cybernetic Hexapawn Program PPC V7 N4 P32 May 1980

Row 17 (143 - 150)



Row 18 (151 - 160)



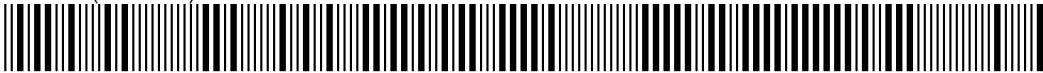
Row 19 (160 - 169)



Row 20 (170 - 180)



Row 21 (181 - 189)



Row 22 (190 - 199)



Row 23 (199 - 208)



Row 24 (209 - 216)



Row 25 (216 - 218)



Row 26 (218 - 223)



Row 27 (223 - 225)



Row 28 (225 - 233)



Row 29 (233 - 237)



Row 30 (237 - 240)



Row 31 (240 - 247)



Row 32 (247 - 251)

