

HP-41C Othello 2 Game by Valentin Albillo
PPC Calculator Journal V8 N3 P14 May 1981

```
01 LBL "O2"      ;Othello 2
02 FIX 0
03 CF 00
04 CF 29
05 CF 12
06 CLRG
07 13.04
08 XROM 30,03 ;RDTAX
09 OFF
10 "LEVEL 2?"
11 CF 23
12 AON
13 PROMPT
14 CF 09
15 FS?C 23
16 SF 09
17 "DIAG?"
18 PROMPT
19 RCL 15
20 STO 75
21 RCL 16
22 STO 85
23 FS?C 23
24 X<>Y
25 STO 74
26 X<>Y
27 STO 84
28 XEQ 06
29 "HP 1ST?"
30 PROMPT
31 AOFF
32 FS?C 23
33 GTO 00
34 65
35 GTO 08
36 LBL 14
37 CF 07
38 CLX
39 STO 06
40 23.04
41 STO 07
42 LBL 11
43 RCL IND 07
44 X=0?
45 GTO 12
46 LBL 13
47 RCL 13
48 *
49 STO 11
50 INT
51 STO 10
52 CF 03
53 CF 08
54 XEQ 97
55 FC?C 04
56 XEQ 98
57 FS?C 08
58 GTO 14
59 RCL 11
60 FRC
61 X#0?
62 GTO 13
63 LBL 12
64 ISG 07
65 GTO 11
66 FC? 07
67 GTO 12
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68 RCL 09
69 LBL 08
70 STO 10
71 CF 03
72 XEQ 97
73 LBL 14
74 CF 03
75 "I"
76 BEEP
77 XEQ 08
78 GTO 00
79 LBL 12
80 "NO"
81 LBL 60
82 ">" MOVE"
83 AVIEW
84 TONE 9
85 PSE
86 LBL 00
87 RCL 10
88 "MOVE?"
89 PROMPT
90 STO 10
91 X=0?
92 GTO 14
93 SF 03
94 XEQ 97
95 "BAD"
96 FS?C 04
97 GTO 60
98 "YOU"
99 XEQ 08
100 GTO 14
101 LBL 08
102 ">" PLAY "
103 ARCL 10
104 AVIEW
105 23
106 STO 00
107 SIGN
108 LBL 31
109 STO 02
110 RCL IND 00
111 X=0?
112 GTO 08
113 LBL 32
114 RCL 13
115 *
116 INT
117 RCL 10
118 X=Y?
119 GTO 00
120 RCL 13
121 ST* 02
122 LASTX
123 FRC
124 X#0?
125 GTO 32
126 LBL 08
127 SIGN
128 ST+ 00
129 GTO 31
130 LBL 00
131 "FLIP "
132 ARCL 01
133 AVIEW
134 RCL IND 00
135 RCL 02
136 *
137 INT
```

138 LASTX
139 FRC
140 RCL 13
141 *
142 FRC
143 +
144 RCL 02
145 /
146 STO IND 00
147 FC? 02
148 GTO 06
149 FS? 03
150 GTO 12
151 LBL 06
152 FS? 55
153 GTO 12
154 ADV
155 31
156 STO 00
157 45
158 STO 01
159 79
160 STO 02
161 2.01
162 STO 03
163 8
164 XROM 29,23 ;SKPCOL
165 49.056
166 STO 04
167 LBL 02
168 RCL 21
169 XROM 29,23 ;SKPCOL
170 X<>Y
171 XROM 29,02 ;ACCHR
172 ISG X
173 GTO 02
174 XROM 29,10 ;PRBUF
175 41.048
176 STO 05
177 LBL 09
178 RCL 04
179 XROM 29,02 ;ACCHR
180 RCL 17
181 XROM 29,23 ;SKPCOL
182 SF 12
183 LBL 10
184 RCL IND 05
185 RCL 15
186 +
187 RCL IND X
188 XROM 29,02 ;ACCHR
189 RCL 03
190 XROM 29,23 ;SKPCOL
191 ISG 05
192 GTO 10
193 XROM 29,10 ;PRBUF
194 ST+ 05
195 CF 12
196 ISG 04
197 GTO 09
198 ADV
199 ADV
200 ADV
201 LBL 12
202 DSE 14
203 RTN
204 FC? 02
205 GTO 12
206 FS?C 03
207 XEQ 06

208 LBL 12
209 32
210 "GAME OVER"
211 41.118
212 AVIEW
213 0
214 LBL 07
215 RCL IND Y
216 +
217 ISG Y
218 GTO 07
219 2
220 /
221 X<>Y
222 RDN
223 ST- Z
224 +
225 ADV
226 "HP: "
227 ARCL X
228 ">", YOU: "
229 ARCL Y
230 AVIEW
231 BEEP
232 ADV
233 PSE
234 X=Y?
235 STOP
236 "I"
237 X<Y?
238 "YOU"
239 ">" WON"
240 PROMPT
241 LBL 98
242 SF 07
243 SF 08
244 FS? 09
245 RTN
246 23
247 RCL 07
248 INT
249 2
250 MOD
251 LASTX
252 -
253 RCL 07
254 INT
255 +
256 X<Y?
257 RTN
258 1 E3
259 /
260 +
261 STO 08
262 LBL 56
263 RCL IND 08
264 X=0?
265 GTO 12
266 LBL 57
267 RCL 13
268 *
269 STO 12
270 INT
271 SF 06
272 SF 03
273 XEQ 99
274 FC?C 04
275 GTO 00
276 RCL 12
277 FRC

278 X#0?
279 GTO 57
280 LBL 12
281 ISG 08
282 GTO 56
283 RTN
284 LBL 00
285 RCL 06
286 RCL 08
287 INT
288 X>Y?
289 STO 06
290 X>Y?
291 CF 08
292 RCL 10
293 FC?C 08
294 STO 09
295 30
296 +
297 0
298 STO IND Y
299 119
300 STO 05
301 LBL 05
302 RCL IND 05
303 RCL 16
304 ST* IND Y
305 ST- 05
306 DSE 01
307 GTO 05
308 RTN
309 LBL 97
310 CF 06
311 LBL 99
312 SF 04
313 30
314 +
315 STO 00
316 RCL IND X
317 X#0?
318 RTN
319 FC? 06
320 STO 01
321 15.022
322 STO 02
323 119
324 STO 05
325 SIGN
326 FS? 00
327 CHS
328 FC? 03
329 CHS
330 STO 04
331 LBL 01
332 RCL 00
333 RCL IND 02
334 +
335 STO 03
336 RCL IND X
337 RCL 04
338 X#Y?
339 GTO 12
340 LBL 03
341 LASTX
342 ST+ 03
343 RCL IND 03
344 RCL 04
345 X=Y?
346 GTO 03
347 CHS

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348 X#Y?
349 GTO 12
350 CF 04
351 FS? 06
352 RTN
353 STO IND 00
354 LBL 04
355 LASTX
356 ST- 03
357 RCL 00
358 RCL 03
359 X=Y?
360 GTO 12
361 STO IND 05
362 RCL 16
363 ST* IND Y
364 ST- 01
365 ST- 05
366 GTO 04
367 LBL 12
368 ISG 02
369 GTO 01
370 END

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FE

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673 BYTES

HP-41C Othello 2 Game by Valentin Albillo PPC V8 N3 P14 May 1981

Program Registers Needed: 97

Row 1 (1 - 5)



Program Registers Needed: 97

Row 2 (5 - 10)



Row 3 (10 - 15)



Row 4 (15 - 20)



Row 5 (21 - 28)



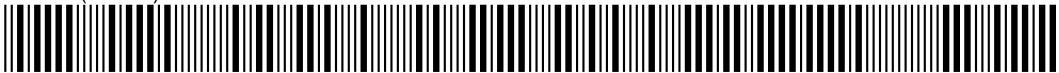
Row 6 (28 - 32)



Row 7 (32 - 40)



Row 8 (40 - 47)



Row 9 (48 - 55)



Row 10 (56 - 63)



Row 11 (64 - 71)



Row 12 (72 - 78)



Row 13 (78 - 82)



Row 14 (82 - 88)



Row 15 (89 - 95)



Row 16 (95 - 99)



Row 17 (100 - 103)



Row 18 (104 - 112)

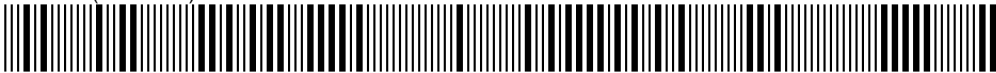


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Row 19 (113 - 122)



Row 20 (123 - 130)



Row 21 (131 - 136)



Row 22 (137 - 147)



Row 23 (148 - 155)



Row 24 (155 - 162)



Row 25 (163 - 168)



Row 26 (169 - 175)



Row 27 (175 - 181)



Row 28 (182 - 190)



Row 29 (190 - 196)



Row 30 (197 - 205)



Row 31 (206 - 210)



Row 32 (210 - 213)



Row 33 (214 - 223)



Row 34 (223 - 228)



Row 35 (228 - 234)



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Row 36 (235 - 239)



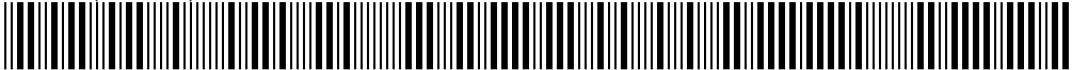
Row 37 (239 - 246)



Row 38 (247 - 258)



Row 39 (258 - 266)



Row 40 (267 - 274)



Row 41 (275 - 282)



Row 42 (282 - 293)



Row 43 (293 - 300)



Row 44 (301 - 307)



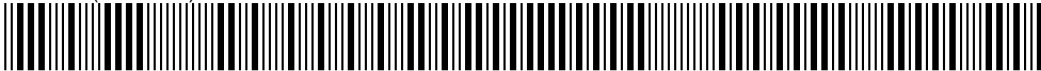
Row 45 (308 - 315)



Row 46 (316 - 321)



Row 47 (322 - 330)



Row 48 (331 - 340)



Row 49 (341 - 349)



Row 50 (350 - 358)



Row 51 (359 - 365)



Row 52 (366 - 370)

