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1 "C:\Users\Sapan\Downloads\Lectures\Artificial Intelligence\
  Assign1\venv\Scripts\python.exe" "C:/Users/Sapan/Downloads/
  Lectures/Artificial Intelligence/Assign1/Connect4.py"
2 Press 1 for HUMAN or Press 2 for AI: 2
3
4 [0, 0, 0, 0, 0, 0, 0]
5 [0, 0, 0, 0, 0, 0, 0]
6 [0, 0, 0, 0, 0, 0, 0]
7 [0, 0, 0, 0, 0, 0, 0]
8 [0, 0, 0, 0, 0, 0, 0]
9 [0, 0, 0, 0, 0, 0, 0]
10 Begin Game with AI
11 Enter Depth for AI (4 = less than a sec, 5 = 5 sec, 6 = 40
   sec, 7 = 3 min+): 5
12 First Player's turn (enter between 0-6): 3
13 [0, 0, 0, 0, 0, 0, 0]
14 [0, 0, 0, 0, 0, 0, 0]
15 [0, 0, 0, 0, 0, 0, 0]
16 [0, 0, 0, 0, 0, 0, 0]
17 [0, 0, 0, 0, 0, 0, 0]
18 [0, 0, 0, 1, 0, 0, 0]
19 AI's Turn
20 [0, 0, 0, 0, 0, 0, 0]
21 [0, 0, 0, 0, 0, 0, 0]
22 [0, 0, 0, 0, 0, 0, 0]
23 [0, 0, 0, 0, 0, 0, 0]
24 [0, 0, 0, 2, 0, 0, 0]
25 [0, 0, 0, 1, 0, 0, 0]
26 First Player's turn (enter between 0-6): 2
27 [0, 0, 0, 0, 0, 0, 0]
28 [0, 0, 0, 0, 0, 0, 0]
29 [0, 0, 0, 0, 0, 0, 0]
30 [0, 0, 0, 0, 0, 0, 0]
31 [0, 0, 0, 2, 0, 0, 0]
32 [0, 0, 1, 1, 0, 0, 0]
33 AI's Turn
34 [0, 0, 0, 0, 0, 0, 0]
35 [0, 0, 0, 0, 0, 0, 0]
36 [0, 0, 0, 0, 0, 0, 0]
37 [0, 0, 0, 0, 0, 0, 0]
38 [0, 0, 0, 2, 0, 0, 0]
39 [0, 0, 1, 1, 2, 0, 0]
40 First Player's turn (enter between 0-6): 1
41 [0, 0, 0, 0, 0, 0, 0]
42 [0, 0, 0, 0, 0, 0, 0]
43 [0, 0, 0, 0, 0, 0, 0]
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44 [0, 0, 0, 0, 0, 0, 0]
45 [0, 0, 0, 2, 0, 0, 0]
46 [0, 1, 1, 1, 2, 0, 0]
47 AI's Turn
48 [0, 0, 0, 0, 0, 0, 0]
49 [0, 0, 0, 0, 0, 0, 0]
50 [0, 0, 0, 0, 0, 0, 0]
51 [0, 0, 0, 0, 0, 0, 0]
52 [0, 0, 0, 2, 0, 0, 0]
53 [2, 1, 1, 1, 2, 0, 0]
54 First Player's turn (enter between 0-6): 2
55 [0, 0, 0, 0, 0, 0, 0]
56 [0, 0, 0, 0, 0, 0, 0]
57 [0, 0, 0, 0, 0, 0, 0]
58 [0, 0, 0, 0, 0, 0, 0]
59 [0, 0, 1, 2, 0, 0, 0]
60 [2, 1, 1, 1, 2, 0, 0]
61 AI's Turn
62 [0, 0, 0, 0, 0, 0, 0]
63 [0, 0, 0, 0, 0, 0, 0]
64 [0, 0, 0, 0, 0, 0, 0]
65 [0, 0, 0, 2, 0, 0, 0]
66 [0, 0, 1, 2, 0, 0, 0]
67 [2, 1, 1, 1, 2, 0, 0]
68 First Player's turn (enter between 0-6): 2
69 [0, 0, 0, 0, 0, 0, 0]
70 [0, 0, 0, 0, 0, 0, 0]
71 [0, 0, 0, 0, 0, 0, 0]
72 [0, 0, 1, 2, 0, 0, 0]
73 [0, 0, 1, 2, 0, 0, 0]
74 [2, 1, 1, 1, 2, 0, 0]
75 AI's Turn
76 [0, 0, 0, 0, 0, 0, 0]
77 [0, 0, 0, 0, 0, 0, 0]
78 [0, 0, 2, 0, 0, 0, 0]
79 [0, 0, 1, 2, 0, 0, 0]
80 [0, 0, 1, 2, 0, 0, 0]
81 [2, 1, 1, 1, 2, 0, 0]
82 First Player's turn (enter between 0-6): 1
83 [0, 0, 0, 0, 0, 0, 0]
84 [0, 0, 0, 0, 0, 0, 0]
85 [0, 0, 2, 0, 0, 0, 0]
86 [0, 0, 1, 2, 0, 0, 0]
87 [0, 1, 1, 2, 0, 0, 0]
88 [2, 1, 1, 1, 2, 0, 0]
89 AI's Turn

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90 [0, 0, 0, 0, 0, 0, 0]
91 [0, 0, 0, 0, 0, 0, 0]
92 [0, 0, 2, 2, 0, 0, 0]
93 [0, 0, 1, 2, 0, 0, 0]
94 [0, 1, 1, 2, 0, 0, 0]
95 [2, 1, 1, 1, 2, 0, 0]
96 First Player's turn (enter between 0-6): 3
97 [0, 0, 0, 0, 0, 0, 0]
98 [0, 0, 0, 1, 0, 0, 0]
99 [0, 0, 2, 2, 0, 0, 0]
100 [0, 0, 1, 2, 0, 0, 0]
101 [0, 1, 1, 2, 0, 0, 0]
102 [2, 1, 1, 1, 2, 0, 0]
103 AI's Turn
104 [0, 0, 0, 0, 0, 0, 0]
105 [0, 0, 0, 1, 0, 0, 0]
106 [0, 0, 2, 2, 0, 0, 0]
107 [0, 0, 1, 2, 0, 0, 0]
108 [0, 1, 1, 2, 2, 0, 0]
109 [2, 1, 1, 1, 2, 0, 0]
110 First Player's turn (enter between 0-6): 5
111 [0, 0, 0, 0, 0, 0, 0]
112 [0, 0, 0, 1, 0, 0, 0]
113 [0, 0, 2, 2, 0, 0, 0]
114 [0, 0, 1, 2, 0, 0, 0]
115 [0, 1, 1, 2, 2, 0, 0]
116 [2, 1, 1, 1, 2, 1, 0]
117 AI's Turn
118 [0, 0, 0, 0, 0, 0, 0]
119 [0, 0, 0, 1, 0, 0, 0]
120 [0, 0, 2, 2, 0, 0, 0]
121 [0, 0, 1, 2, 2, 0, 0]
122 [0, 1, 1, 2, 2, 0, 0]
123 [2, 1, 1, 1, 2, 1, 0]
124 First Player's turn (enter between 0-6): 1
125 [0, 0, 0, 0, 0, 0, 0]
126 [0, 0, 0, 1, 0, 0, 0]
127 [0, 0, 2, 2, 0, 0, 0]
128 [0, 1, 1, 2, 2, 0, 0]
129 [0, 1, 1, 2, 2, 0, 0]
130 [2, 1, 1, 1, 2, 1, 0]
131 AI's Turn
132 [0, 0, 0, 0, 0, 0, 0]
133 [0, 0, 0, 1, 0, 0, 0]
134 [0, 2, 2, 2, 0, 0, 0]
135 [0, 1, 1, 2, 2, 0, 0]

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136 [0, 1, 1, 2, 2, 0, 0]
137 [2, 1, 1, 1, 2, 1, 0]
138 First Player's turn (enter between 0-6): 4
139 [0, 0, 0, 0, 0, 0, 0]
140 [0, 0, 0, 1, 0, 0, 0]
141 [0, 2, 2, 2, 1, 0, 0]
142 [0, 1, 1, 2, 2, 0, 0]
143 [0, 1, 1, 2, 2, 0, 0]
144 [2, 1, 1, 1, 2, 1, 0]
145 AI's Turn
146 [0, 0, 0, 0, 0, 0, 0]
147 [0, 0, 0, 1, 0, 0, 0]
148 [0, 2, 2, 2, 1, 0, 0]
149 [0, 1, 1, 2, 2, 0, 0]
150 [2, 1, 1, 2, 2, 0, 0]
151 [2, 1, 1, 1, 2, 1, 0]
152 First Player's turn (enter between 0-6): 2
153 [0, 0, 0, 0, 0, 0, 0]
154 [0, 0, 1, 1, 0, 0, 0]
155 [0, 2, 2, 2, 1, 0, 0]
156 [0, 1, 1, 2, 2, 0, 0]
157 [2, 1, 1, 2, 2, 0, 0]
158 [2, 1, 1, 1, 2, 1, 0]
159 AI's Turn
160 AI Wins!
161 [0, 0, 0, 0, 0, 0, 0]
162 [0, 2, 1, 1, 0, 0, 0]
163 [0, 2, 2, 2, 1, 0, 0]
164 [0, 1, 1, 2, 2, 0, 0]
165 [2, 1, 1, 2, 2, 0, 0]
166 [2, 1, 1, 1, 2, 1, 0]
167 Game Over!!!!
168
169 Process finished with exit code 0
170
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