```
1 /usr/local/bin/node /Users/liboyuan/WebstormProjects/
   socket server/test/gameTest.js
 2 >> Input command here:
 3 a 0 1 1
 4 a 1 1 0
 5 a 2 1 0
 6 a 3 1 0
 7 a 4 1 0
8 a 0 2 •
 9 p c 0
10 { amount: 1, sid: 0 }
11 >>Input command here:
12 { amount: 0, sid: 1 }
13 >>Input command here:
14 { amount: 0, sid: 2 }
15 >> Input command here:
16 { amount: 0, sid: 3 }
17 >> Input command here:
18 { amount: 0, sid: 4 }
19 >>Input command here:
20 { color: '♦', sid: 0 }
21 >>Input command here:
22 [ Card { number: 5, color: '♥', type: 7 },
23
     Card { number: 1, color:
                                'J', type: 6 },
                                'J', type: 6 },
24
     Card { number: 1, color:
                                'J', type: 6 },
25
     Card { number: 1, color:
26
     Card { number: 0, color:
                                'J'
                                   , type: 6 },
27
                                'J'
     Card { number: 0, color:
                                   , type: 6 },
                                ^{1} \blacklozenge ^{1}
28
     Card { number: 3, color:
                                   , type: 5 },
                                '♥', type: 2 },
29
     Card { number: 2, color:
                                '♥', type: 2 },
30
     Card { number: 2, color:
31
     Card { number: 2, color:
                                1 🌲 1
                                   , type: 2 },
                                1 🏚 1
32
     Card { number: 2, color:
                                   , type: 2 },
                                ۱ 🚓 ۱
33
     Card { number: 2, color:
                                   , type: 2 },
     Card { number: 14, color: '♦', type: 1 },
34
                                 '♦', type: 1 },
35
     Card { number: 13, color:
                                 '♦', type: 1 },
36
     Card { number: 13, color:
                                 '*', type: 1 },
'*', type: 1 },
37
     Card { number: 11, color:
38
     Card { number: 10, color:
                               '♦', type: 1 },
39
     Card { number: 9, color:
                                1 ♦ 1
40
     Card { number: 6, color:
                                   , type: 1 },
                                 '♥', type: 0 },
41
     Card { number: 13, color:
                                 '♥', type: 0 },
42
     Card { number: 12, color:
                                 '♥', type: 0 },
43
     Card { number: 11, color:
44
                                 '♥', type: 0 },
     Card { number: 10, color:
45
                                '♥'
     Card { number: 9, color:
                                   , type: 0 },
                                '♥'
46
     Card { number: 8, color:
                                   , type: 0 },
     Card { number: 7, color:
                                '♥', type: 0 },
47
     Card { number: 7, color:
                                '♥'
48
                                   , type: 0 },
49
     Card { number: 6, color: '♥', type: 0 },
```

```
Card { number: 13, color: '\(^\)', type: 0 }, Card { number: 12, color: '\(^\)', type: 0 }, Card { number: 10, color: '\(^\)', type: 0 }, Card { number: 10, color: '\(^\)', type: 0 },
51
52
53
     Card { number: 6, color: '*', type: 0 },
54
     Card { number: 4, color: '♠'
                                       , type: 0 },
55
     Card { number: 4, color: '♠', type: 0 },
56
     Card { number: 14, color: '♣', type: 0 },
57
     Card { number: 10, color: '*', type: 0 },
58
59
     Card { number: 4, color: '*', type: 0 } ]
60 >>Input command here:
61 a 0 3 * 4 * 10 * 6 * 4 * 4 * 10 * 10
62 { cards:
63
       [ Card { number: 10, color: '♠', type: 0 },
64
         Card { number: 10, color: '♠', type: 0 },
         Card { number: 6, color: '♠', type: 0 },
65
         Card { number: 4, color: '*', type: 0 }, Card { number: 4, color: '*', type: 0 },
66
67
         Card { number: 10, color: '*', type: 0 },
68
         Card { number: 4, color: '♣', type: 0 } ],
69
70
      sid: 0 }
71 >>Input command here:
72 a 0 4 ♠
73 { color: '*', sid: 0 }
74 >>Input command here:
75 p c 0
76 [ Card { number: 5, color: '♥', type: 7 },
     Card { number: 1, color: 'J', type: 6 },
77
                                   'J', type: 6 },
'J', type: 6 },
78
      Card { number: 1, color:
     Card { number: 1, color:
79
                                   'J', type: 6 },
     Card { number: 0, color:
80
81
     Card { number: 0, color:
                                    'J'
                                       , type: 6 },
                                    '♦', type: 5 },
82
      Card { number: 3, color:
                                    '♥', type: 2 },
83
     Card { number: 2, color:
                                    '♥', type: 2 },
84
      Card { number: 2, color:
                                    '♠', type: 2 },
85
     Card { number: 2, color:
                                   '*', type: 2 },
'*', type: 2 },
86
      Card { number: 2, color:
      Card { number: 2, color:
87
     Card { number: 14, color: '♦', type: 1 },
88
                                     '+', type: 1 },
'+', type: 1 },
     Card { number: 13, color:
89
90
      Card { number: 13, color:
                                    '♦', type: 1 },
'♦', type: 1 },
     Card { number: 11, color:
91
92
      Card { number: 10, color:
     Card { number: 9, color: '♦', type: 1 },
93
      Card { number: 6, color: '♦'
94
                                       , type: 1 },
95
     Card { number: 13, color: '♥', type: 0 },
     Card { number: 12, color: '♥', type: 0 },
96
     Card { number: 11, color: '♥', type: 0 }, Card { number: 10, color: '♥', type: 0 },
97
98
99
      Card { number: 9, color: '♥', type: 0 },
```

```
Card { number: 8, color: '♥', type: 0 },
100
      Card { number: 7, color: '♥', type: 0 },
101
                                   '♥', type: 0 },
102
      Card { number: 7, color:
      Card { number: 6, color: '♥', type: 0 },
103
104
      Card { number: 13, color: '♠', type: 0 },
      Card { number: 12, color: '*', type: 0 },
105
      Card { number: 14, color: '*', type: 0 } ]
106
107 >> Input command here:
108 a 0 5 ♥ 7 ♥ 7
109 { cards:
        [ Card { number: 7, color: '♥', type: 0 },
110
          Card { number: 7, color: '♥', type: 0 } ],
111
      partRejected: false,
112
113
      sid: 0 }
114 >> Input command here:
115 p c 1
116 [ Card { number: 3, color: '♦', type: 5 },
                                   '♦', type: 5 },
      Card { number: 3, color:
117
                                   '♥', type: 4 },
      Card { number: 3, color:
118
      Card { number: 3, color:
119
                                    '♥', type: 4 },
                                   '♥', type: 4 },
'♦', type: 3 },
120
      Card { number: 3, color:
      Card { number: 2, color:
121
      Card { number: 2, color: '*', type: 2 }.
Card { number: 11 6-1
122
123
      Card { number: 11, color: '♦', type: 1 },
124
      Card { number: 10, color: '♦', type: 1 },
125
      Card { number: 8, color: '♦', type: 1 },
126
      Card { number: 8, color: '\( '\), type: 1 }, Card { number: 4, color: '\( '\), type: 1 },
127
128
                                    '♥', type: 0 },
      Card { number: 14, color:
129
      Card { number: 14, color: '♥', type: 0 },
130
                                     1 ♥ 1
      Card { number: 11, color:
131
                                         type: 0 },
      Card { number: 11, color: '♥', type: 0 },
Card { number: 9, color: '♥', type: 0 },
132
133
      Card { number: 11, color: '*', type: 0 },
134
      Card { number: 10, color: '♠', type: 0 },
135
      Card { number: 9, color: '♠', type: 0 },
136
      Card { number: 8, color: '*', type: 0 }, Card { number: 8, color: '*', type: 0 },
137
138
                                   '♠', type: 0 },
139
      Card { number: 7, color:
      Card { number: 5, color: '*', type: 0 }, Card { number: 5, color: '*', type: 0 },
140
141
      Card { number: 12, color: '♣', type: 0 },
142
      Card { number: 10, color: '*', type: 0 },
143
      Card { number: 9, color: '*', type: 0 },
144
      Card { number: 8, color: '*', type: 0 },
145
146
      Card { number: 6, color: '♣', type: 0 } ]
147 >>Input command here:
148 a 1 5 ♥ 9 ♥ 11
149 -- [Error] Illegal operation
```

```
150 >>Input command here:
151 a 1 5 ♥ 11 ♥ 11
152 { cards:
       [ Card { number: 11, color: '♥', type: 0 },
153
154
         Card { number: 11, color: '♥', type: 0 } ],
155
      partRejected: false,
156
      sid: 1 }
157 >>Input command here:
158 p t
159 { status: 5,
160
      startSid: 0,
161
      remainedSid: [ 2, 3, 4 ],
162
      done:
163
       [ { cards: [Object], partRejected: false, sid: 0 },
164
         { cards: [Object], partRejected: false, sid: 1 } ],
165
      maxCards:
       [ Card { number: 11, color: '♥', type: 0 },
166
167
         Card { number: 11, color: '♥', type: 0 } ],
168
      maxSid: 1 }
169 >> Input command here:
170 p c 2
171 [ Card { number: 5, color: '♥', type: 7 },
      Card { number: 2, color: '♥', type: 2 },
172
173
      Card { number: 14, color: '♦', type: 1 },
      Card { number: 12, color: '♦', type: 1 },
Card { number: 10, color: '♦', type: 1 },
174
175
      Card { number: 9, color: '♦', type: 1 },
176
                                 '♦', type: 1 },
177
      Card { number: 7, color:
                                 '\', type: 1 },
'\', type: 1 },
178
      Card { number: 7, color:
      Card { number: 6, color:
179
                                 '♦', type: 1 },
      Card { number: 5, color:
180
      Card { number: 4, color:
                                     , type: 1 },
181
                                  '♥', type: 0 },
182
      Card { number: 14, color:
                                  '♥', type: 0 },
183
      Card { number: 10, color:
      Card { number: 10, color: '♥', type: 0 },
184
                                 '♥', type: 0 },
185
      Card { number: 9, color:
                                 '♥', type: 0 },
'♥', type: 0 },
186
      Card { number: 7, color:
187
      Card { number: 6, color:
                                 '♥', type: 0 },
'♥', type: 0 },
188
      Card { number: 4, color:
189
      Card { number: 4, color:
      Card { number: 14, color: '*', type: 0 },
190
                                 '*', type: 0 },
191
      Card { number: 7, color:
      Card { number: 6, color: '♠'
192
                                      type: 0 },
      Card { number: 14, color: '♣', type: 0 },
193
                                  '♣', type: 0 },
194
      Card { number: 14, color:
      Card { number: 13, color:
                                  '♣', type: 0 },
195
                                  '♣', type: 0 },
196
      Card { number: 13, color:
      Card { number: 11, color: '♣', type: 0 },
197
      Card { number: 6, color: '*', type: 0 },
198
      Card { number: 5, color: '♣', type: 0 },
199
```

```
Card { number: 4, color: '♣', type: 0 },
       Card { number: 3, color: '♣', type: 0 } ]
202 >> Input command here:
203 a 2 5 ♥ 10 ♥ 10
204 { cards:
         [ Card { number: 10, color: '♥', type: 0 },
205
           Card { number: 10, color: '♥', type: 0 } ],
206
207
       partRejected: false,
208
       sid: 2 }
209 >> Input command here:
210 p t
211 { status: 5,
212
       startSid: 0,
213
       remainedSid: [ 3, 4 ],
214
       done:
215
         [ { cards: [Object], partRejected: false, sid: 0 },
216
           { cards: [Object], partRejected: false, sid: 1 },
217
           { cards: [Object], partRejected: false, sid: 2 } ],
218
       maxCards:
219
         [ Card { number: 11, color: '♥', type: 0 },
220
           Card { number: 11, color: '♥', type: 0 } ],
221
       maxSid: 1 }
222 >>Input command here:
223 p c 3
Card { number: 2, color: '♦', type: 3 },
226
       Card { number: 13, color: '♦', type: 1 },
227
       Card { number: 12, color: '\( '\), type: 1 }, Card { number: 11, color: '\( '\), type: 1 },
228
229
       Card { number: 9, color: '♦', type: 1 },
230
       Card { number: 8, color: '\( '\), type: 1 },
Card { number: 7, color: '\( '\), type: 1 },
Card { number: 6, color: '\( '\), type: 1 },
Card { number: 5, color: '\( '\), type: 1 },
231
232
233
234
       Card { number: 12, color: '♥', type: 0 },
235
       Card { number: 8, color: '♥', type: 0 },
Card { number: 6, color: '♥', type: 0 },
236
237
       Card { number: 14, color: '*', type: 0 },
238
       Card { number: 14, color: '*', type: 0 }, Card { number: 13, color: '*', type: 0 },
239
240
       Card { number: 9, color: '*', type: 0 },
241
       Card { number: 9, color: '*', type: 0 }, Card { number: 7, color: '*', type: 0 }, Card { number: 6, color: '*', type: 0 },
242
243
244
245
       Card { number: 12, color: '♣', type: 0 },
       Card { number: 12, color: '♣', type: 0 },
Card { number: 11, color: '♣', type: 0 },
246
247
       Card { number: 9, color: '*', type: 0 },
248
       Card { number: 8, color: '♣', type: 0 },
249
```

```
Card { number: 6, color: '*', type: 0 },
250
       Card { number: 5, color: '*', type: 0 },
251
       Card { number: 4, color: '*', type: 0 },
252
       Card { number: 3, color: '♣', type: 0 },
253
       Card { number: 3, color: '*', type: 0 } ]
254
255 >>Input command here:
256 a 3 5 ♥ 12 ♥ 8
257 { cards:
        [ Card { number: 12, color: '♥', type: 0 },
258
259
           Card { number: 8, color: '♥', type: 0 } ],
260
       partRejected: false,
261
       sid: 3 }
262 >>Input command here:
263 p t
264 { status: 5,
265
       startSid: 0,
266
       remainedSid: [ 4 ],
267
       done:
        [ { cards: [Object], partRejected: false, sid: 0 },
268
           { cards: [Object], partRejected: false, sid: 1 },
269
270
           { cards: [Object], partRejected: false, sid: 2 },
271
           { cards: [Object], partRejected: false, sid: 3 } ],
272
       maxCards:
273
        [ Card { number: 11, color: '♥', type: 0 },
274
           Card { number: 11, color: '♥', type: 0 } ],
275
       maxSid: 1 }
276 >>Input command here:
277 p c 4
278 [ Card { number: 2, color: '♦', type: 3 }, 279 Card { number: 2, color: '♣', type: 2 },
       Card { number: 14, color: '♦', type: 1 },
280
       Card { number: 12, color: '♦', type: 1 },
281
       Card { number: 5, color: '♦', type: 1 },
Card { number: 4, color: '♦', type: 1 },
282
283
       Card { number: 13, color: '♥', type: 0 },
284
       Card { number: 13, color: '♥', type: 0 }, Card { number: 12, color: '♥', type: 0 }, Card { number: 8, color: '♥', type: 0 }, Card { number: 4, color: '♥', type: 0 },
285
286
287
       Card { number: 4, color: '♥', type: 0 },
288
       Card { number: 13, color: '*', type: 0 },
289
                                       1 ♠ 1
                                           , type: 0 },
290
       Card { number: 12, color:
       Card { number: 12, color:
                                       '♠', type: 0 },
291
       Card { number: 11, color: '*', type: 0 }, Card { number: 11, color: '*', type: 0 },
292
293
       Card { number: 8, color: '♠', type: 0 },
294
       Card { number: 5, color: '*', type: 0 }, Card { number: 4, color: '*', type: 0 },
295
296
       Card { number: 3, color: '*', type: 0 }, Card { number: 3, color: '*', type: 0 },
297
298
       Card { number: 3, color: '♠', type: 0 },
299
```

```
Card { number: 13, color: '*', type: 0 }, Card { number: 11, color: '*', type: 0 }, Card { number: 10, color: '*', type: 0 },
300
301
302
       Card { number: 9, color: '*', type: 0 },
303
      Card { number: 8, color: '*', type: 0 }, Card { number: 7, color: '*', type: 0 },
304
305
      Card { number: 7, color: '*', type: 0 }, Card { number: 7, color: '*', type: 0 },
306
307
       Card { number: 5, color: '*', type: 0 } ]
308
309 >> Input command here:
310 a 4 5 ♥ 13 ♥ 13
311 { cards:
        [ Card { number: 13, color: '♥', type: 0 },
312
313
           Card { number: 13, color: '♥', type: 0 } ],
314
       partRejected: false,
315
       sid: 4 }
316 >>Input command here:
317 p t
318 { status: 5,
319
       startSid: 4,
320
       remainedSid: [ 4, 0, 1, 2, 3 ],
321
       done: [],
322
       maxCards: null,
323
       maxSid: null }
324 >>Input command here:
325 p i
326 { masterSid: 0,
327
       majorNumber: 2,
328
       majorColor: '♦',
329
       subMasterSid: null,
330
       aColor: '♠',
331
       points: [ 0, 0, 0, 0, 40 ],
332
       result: null }
333 >>Input command here:
334
```