```
exe" "D:\Python\Pycharm\setroute\PyCharm Community Edition 2021.2.3\plugins\python-ce\helpers\pydev\pydevconsole.py" --mode=client --port=17875
 3
   import sys; print('Python %s on %s' % (sys.version, sys.platform))
   01_My_Python_Code', 'E:/1 0000/3 00000/1 000000/1 0000000/1_000000/1_000000/2 python code/
   01_My_Python_Code'])
6
   PyDev console: starting.
   Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
 8
   □□□/2 python code/01_My_Python_Code')
10 Backend TkAgg is interactive backend. Turning interactive mode on.
   Waiting 1s.....
12
13
   This is the R_6_1 _standard_test.xlsx optimization process.
14
15
   Start
     Read basic data
16
17
       V = 6
18
       T = 36
       Q = 23
19
       L = 30
20
21
     PSO parameter setting:
       maxIter num = 10
23
       W inertia = 1.5
24
       oder_type_num = 20
25
       c1 = 2.0
26
       c2 = 1.0
27
       r1 = 0.8213074471162278
28
       r2 = 0.8213074471162278
29
   Begin iteration:
30
31
   iter = 0
32
       cord_individul_obj[indivial_i, :] = [ 0. 4. 90. 94.]
       cord individul obj[indivial i, :] = [1.6.38.44.]
33
       cord_individul_obj[indivial_i, :] = [ 2. 6. 8. 14.]
34
       cord\_individul\_obj[indivial\_i, :] = [3. 4. 88. 92.]
35
36
       cord_individul_obj[indivial_i, :] = [4. 5. 12. 17.]
       cord individul_obj[indivial_i, :] = [5. 5. 18. 23.]
37
       cord_individul_obj[indivial_i, :] = [6.5.32.37.]
38
39
       cord_individul_obj[indivial_i, :] = [7. 5. 32. 37.]
40
       cord_individul_obj[indivial_i, :] = [8. 4. 84. 88.]
       cord_individul_obj[indivial_i, :] = [ 9. 6. 48. 54.]
41
       cord_individul_obj[indivial_i, :] = [10. 6. 54. 60.]
42
43
       cord_individul_obj[indivial_i, :] = [11. 5. 42. 47.]
       cord_individul_obj[indivial_i, :] = [12. 4. 82. 86.]
44
45
       cord_individul_obj[indivial_i, :] = [13. 6. 68. 74.]
46
       cord_individul_obj[indivial_i, :] = [14. 4. 62. 66.]
47
       cord_individul_obj[indivial_i, :] = [15. 6. 44. 50.]
       cord individul_obj[indivial_i, :] = [16. 5. 32. 37.]
48
       cord_individul_obj[indivial_i, :] = [17. 4. 50. 54.]
49
50
       cord_individul_obj[indivial_i, :] = [18. 6. 52. 58.]
51
       cord individul obj[indivial i, :] = [19. 4.18.22.]
52
53
     min(cord\_individul\_obj[:, 3]) = 14.0
54
     historl\_G\_best\_iter[iter, 3] = 14.0
55
   Begin iteration:
56
57
   iter = 1
58
       cord individul obj[indivial i, :] = [0.6.8.14.]
59
       cord_individul_obj[indivial_i, :] = [1. 6. 48. 54.]
60
       cord_individul_obj[indivial_i, :] = [2. 6. 8. 14.]
61
       cord_individul_obj[indivial_i, :] = [3, 4, 38, 42.]
       cord_individul_obj[indivial_i, :] = [4. 6. 16. 22.]
62
       cord_individul_obj[indivial_i, :] = [5. 5. 30. 35.]
63
       cord_individul_obj[indivial_i, :] = [6. 5. 28. 33.]
64
65
       cord_individul_obj[indivial_i, :] = [7. 4. 52. 56.]
       cord_individul_obj[indivial_i, :] = [8. 5. 32. 37.]
66
67
       cord_individul_obj[indivial_i, :] = [9, 5, 28, 33]
68
       cord_individul_obj[indivial_i, :] = [10. 6. 78. 84.]
       cord_individul_obj[indivial_i, :] = [11. 4. 88. 92.]
69
70
       cord_individul_obj[indivial_i, :] = [12. 3. 54. 57.]
71
       cord_individul_obj[indivial_i, :] = [13. 4. 20. 24.]
       cord_individul_obj[indivial_i, :] = [14. 5. 36. 41.]
73
       cord_individul_obj[indivial_i, :] = [15. 6. 12. 18.]
74
       cord_individul_obj[indivial_i, :] = [16. 4. 18. 22.]
75
       cord_individul_obj[indivial_i, :] = [17. 4. 26. 30.]
       cord_individul_obj[indivial_i, :] = [18. 5. 20. 25.] cord_individul_obj[indivial_i, :] = [19. 5. 8. 13.]
76
77
78
     min(cord\_individul\_obj[:, 3]) = 13.0
79
```

```
historl_G_best_iter[iter, 3] = 13.0
 81
    Begin iteration:
 82
 83
          cord individul obj[indivial i, :] = [0.6.24.30.]
 84
 85
          cord_individul_obj[indivial_i, :] = [1. 5. 48. 53.]
          cord_individul_obj[indivial_i, :] = [ 2. 5. 30. 35.]
 86
 87
          cord_individul_obj[indivial_i, :] = [3. 4.154.158.]
 88
          cord_individul_obj[indivial_i, :] = [4. 6. 28. 34.]
 89
          cord_individul_obj[indivial_i, :] = [5. 5. 12. 17.]
 90
          cord_individul_obj[indivial_i, :] = [6. 4. 70. 74.]
 91
          cord_individul_obj[indivial_i, :] = [7. 6. 72. 78.]
          cord individul obj[indivial i, :] = [8.5, 22, 27.]
 92
 93
          cord_individul_obj[indivial_i, :] = [ 9. 5. 8. 13.]
 94
          cord_individul_obj[indivial_i, :] = [10. 5. 82. 87.]
 95
          cord_individul_obj[indivial_i, :] = [11. 5. 8. 13.]
          cord_individul_obj[indivial_i, :] = [12. 4. 28. 32.]
 96
 97
          cord_individul_obj[indivial_i, :] = [13. 4. 38. 42.]
 98
          cord_individul_obj[indivial_i, :] = [14. 5. 52. 57.]
 99
          cord_individul_obj[indivial_i, :] = [15. 6. 8. 14.]
100
          cord_individul_obj[indivial_i, :] = [16. 4. 18. 22.]
101
          cord_individul_obj[indivial_i, :] = [17. 4. 76. 80.]
102
          cord_individul_obj[indivial_i, :] = [18. 6. 36. 42.]
103
          cord individul obj[indivial i, :] = [19. 4. 32. 36.]
104
105
        min(cord\_individul\_obj[:, 3]) = 13.0
106
       historl_G_best_iter[iter, 3] = 13.0
107
     Begin iteration:
108
109 \text{ iter} = 3
110
          cord individul obj[indivial i, :] = [0.4.24.28.]
          cord_individul_obj[indivial_i, :] = [1. 5. 32. 37.]
111
112
          cord_individul_obj[indivial_i, :] = [ 2. 4.38.42.]
113
          cord_individul_obj[indivial_i, :] = [3. 5. 8. 13.]
114
          cord_individul_obj[indivial_i, :] = [4. 6. 48. 54.]
          cord_individul_obj[indivial_i, :] = [5. 6. 24. 30.]
115
116
          cord_individul_obj[indivial_i, :] = [6. 5. 38. 43.]
          cord individul obj[indivial i, :] = [7. 4.24.28.]
117
          cord_individul_obj[indivial_i, :] = [ 8. 6. 24. 30.]
118
119
          cord_individul_obj[indivial_i, :] = [9. 6. 48. 54.]
120
          cord_individul_obj[indivial_i, :] = [10. 4. 60. 64.]
121
          cord_individul_obj[indivial_i, :] = [11. 6. 58. 64.]
          cord_individul_obj[indivial_i, :] = [ 12. 4. 104. 108.]
122
123
          cord_individul_obj[indivial_i, :] = [13. 5. 38. 43.]
124
          cord_individul_obj[indivial_i, :] = [14. 5. 24. 29.]
          cord_individul_obj[indivial_i, :] = [15. 5. 28. 33.]
125
126
          cord_individul_obj[indivial_i, :] = [16, 4, 32, 36]
127
          cord_individul_obj[indivial_i, :] = [17. 5. 50. 55.]
          cord_individul_obj[indivial_i, :] = [ 18. 5. 104. 109.]
128
129
          cord_individul_obj[indivial_i, :] = [19. 5. 20. 25.]
130
131
        min(cord\_individul\_obj[:, 3]) = 13.0
132
        historl\_G\_best\_iter[iter, 3] = 13.0
133 Begin iteration:
134
135 iter = 4
          cord_individul_obj[indivial_i, :] = [0. 5. 24. 29.]
136
137
          cord_individul_obj[indivial_i, :] = [1. 4. 32. 36.]
138
          cord_individul_obj[indivial_i, :] = [2. 4. 44. 48.]
          cord_individul_obj[indivial_i, :] = [3. 4. 46. 50.]
139
140
          cord_individul_obj[indivial_i, :] = [4. 6. 58. 64.]
141
          cord_individul_obj[indivial_i, :] = [5. 5. 24. 29.]
          cord individul obj[indivial i, :] = \begin{bmatrix} 6. & 4. & 38. & 42. \end{bmatrix}
142
143
          cord_individul_obj[indivial_i, :] = [7. 4. 38. 42.]
144
          cord_individul_obj[indivial_i, :] = [8. 6. 24. 30.]
145
          cord_individul_obj[indivial_i, :] = [9. 6. 8. 14.]
146
          cord_individul_obj[indivial_i, :] = [10. 5. 60. 65.]
147
          cord_individul_obj[indivial_i, :] = [11. 6. 52. 58.]
          cord_individul_obj[indivial_i, :] = [12. 4. 44. 48.]
148
149
          cord_individul_obj[indivial_i, :] = [13. 5. 38. 43.]
150
          cord_individul_obj[indivial_i, :] = [14. 5. 12. 17.]
          cord_individul_obj[indivial_i, :] = [15. 4. 32. 36.]
151
152
          cord_individul_obj[indivial_i, :] = [16. 4. 46. 50.]
          cord individul obj[indivial i, :] = [17. 5. 32. 37.]
153
154
          cord_individul_obj[indivial_i, :] = [18. 5. 8. 13.]
155
          cord individul obj[indivial i, :] = [19. 5.44.49.]
156
        min(cord\_individul\_obj[:, 3]) = 13.0
157
158
       historl\_G\_best\_iter[iter, 3] = 13.0
159 Begin iteration:
160
161 \text{ iter} = 5
162
          cord_individul_obj[indivial_i, :] = [0. 5. 24. 29.]
          cord_individul_obj[indivial_i, :] = [1. 4. 34. 38.]
163
```

```
164
           cord_individul_obj[indivial_i, :] = [ 2. 5. 24. 29.]
165
          cord individul obj[indivial i, :] = [3. 4.34.38.]
          cord_individul_obj[indivial_i, :] = [4. 6. 62. 68.]
166
167
          cord_individul_obj[indivial_i, :] = [5. 5. 22. 27.]
168
          cord_individul_iobj[indivial_i, :] = [6. 5. 12. 17.]
169
          cord_individul_obj[indivial_i, :] = [7. 4. 80. 84.]
170
          cord_individul_obj[indivial_i, :] = [8. 6. 40. 46.]
171
          cord_individul_obj[indivial_i, :] = [ 9. 6. 44. 50.]
172
          cord_individul_obj[indivial_i, :] = [10. 5. 8. 13.]
          cord_individul_obj[indivial_i, :] = [11. 6. 90. 96.]
173
174
          cord_individul_obj[indivial_i, :] = [12. 4. 78. 82.]
175
          cord_individul_obj[indivial_i, :] = [13. 5. 24. 29.]
          cord individul obj[indivial i, :] = [14, 4, 12, 16,]
176
177
          cord_individul_obj[indivial_i, :] = [15. 4. 34. 38.]
178
          cord_individul_obj[indivial_i, :] = [16. 4. 12. 16.]
179
          cord_individul_obj[indivial_i, :] = [17. 5. 68. 73.]
180
          cord_individul_obj[indivial_i, :] = [18. 5. 72. 77.]
          cord_individul_obj[indivial_i, :] = [19. 4. 76. 80.]
181
182
183
        min(cord\ individul\ obj[:, 3]) = 13.0
184
        historl\_G\_best\_iter[iter, 3] = 13.0
185 Begin iteration:
186
187
     iter = 6
188
          cord_individul_obj[indivial_i, :] = [0.5.52.57.]
          cord_individul_obj[indivial_i, :] = [ 1. 4. 38. 42.]
189
          cord individul obj[indivial i, :] = [2.5.28.33.]
190
191
          cord_individul_obj[indivial_i, :] = [3. 4.38.42.]
192
          cord_individul_obj[indivial_i, :] = [4. 6. 56. 62.]
193
          cord_individul_obj[indivial_i, :] = [5. 6. 38. 44.]
194
          cord individul obj[indivial i, :] = [6.4.38.42.]
195
          cord individul obj[indivial i, :] = [7. 4.44.48.]
196
          cord_individul_obj[indivial_i, :] = [ 8. 6. 32. 38.]
197
          cord_individul_obj[indivial_i, :] = [9, 6, 12, 18]
198
          cord individul obj[indivial i, :] = [10. 4. 60. 64.]
199
          cord_individul_obj[indivial_i, :] = [11. 5. 8. 13.]
200
          cord_individul_obj[indivial_i, :] = [12. 5. 48. 53.]
          cord individul obi[indivial i, :] = [13. 5.38.43.]
201
202
          cord_individul_obj[indivial_i, :] = [14. 4. 12. 16.]
203
          cord_individul_obj[indivial_i, :] = [15, 5, 28, 33.]
204
          cord_individul_obj[indivial_i, :] = [16. 4. 32. 36.]
205
          cord_individul_obj[indivial_i, :] = [17. 5. 46. 51.]
          cord_individul_obj[indivial_i, :] = [18. 6. 20. 26.]
206
207
          cord_individul_obj[indivial_i, :] = [19. 4. 44. 48.]
208
209
        min(cord_individul_obj[:, 3]) = 13.0
210
        historl\_G\_best\_iter[iter, 3] = 13.0
211
     Begin iteration:
212
213 \text{ iter} = 7
214
          cord_individul_obj[indivial_i, :] = [0. 5. 24. 29.]
215
          cord_individul_obj[indivial_i, :] = [1. 4. 68. 72.]
216
          cord_individul_obj[indivial_i, :] = [2. 4. 38. 42.]
          cord_individul_obj[indivial_i, :] = [3. 4. 14. 18.]
217
218
          cord_individul_obj[indivial_i, :] = [4. 5. 84. 89.]
219
          cord_individul_obj[indivial_i, :] = [5. 6. 38. 44.]
          cord individul obj[indivial i, :] = [6. 4. 14. 18.]
220
221
          cord_individul_obj[indivial_i, :] = [7. 6. 72. 78.]
222
          cord_individul_obj[indivial_i, :] = [8. 6. 28. 34.]
          cord_individul_obj[indivial_i, :] = [ 9. 4. 54. 58.]
223
224
          cord_individul_obj[indivial_i, :] = [10. 5. 8. 13.]
225
          cord_individul_obj[indivial_i, :] = [11. 6. 58. 64.]
226
          cord individul obj[indivial i, :] = [12. 5. 8. 13.]
227
          cord_individul_obj[indivial_i, :] = [13. 5. 24. 29.]
228
          cord_individul_obj[indivial_i, :] = [14. 5. 12. 17.]
229
          cord_individul_obj[indivial_i, :] = [15. 5. 22. 27.]
230
          cord_individul_obj[indivial_i, :] = [16. 4. 18. 22.]
231
          cord_individul_obj[indivial_i, :] = [17. 5. 8. 13.]
          cord_individul_obj[indivial_i, :] = [18. 6. 12. 18.]
232
233
          cord_individul_obj[indivial_i, :] = [19. 4. 76. 80.]
234
235
        min(cord\_individul\_obj[:, 3]) = 13.0
236
        historl\_G\_best\_iter[iter, 3] = 13.0
237 Begin iteration:
238
239
     iter = 8
240
          cord_individul_obj[indivial_i, :] = [0. 5. 52. 57.]
241
          cord_individul_obj[indivial_i, :] = [1. 5. 32. 37.]
          cord_individul_obj[indivial_i, :] = [ 2. 4. 58. 62.]
242
243
          cord_individul_obj[indivial_i, :] = [ 3. 4. 68. 72.]
244
          cord individul obj[indivial i, :] = [4.5.8.13.]
          cord_individul_obj[indivial_i, :] = [ 5. 5. 38. 43.]
245
246
          cord_individul_obj[indivial_i, :] = [6. 4. 52. 56.]
          cord_individul_obj[indivial_i, :] = [7. 4. 64. 68.]
247
```

```
248
           cord_individul_obj[indivial_i, :] = [8. 6. 32. 38.]
249
          cord individul obj[indivial i, :] = [9.5.12.17.]
          cord_individul_obj[indivial_i, :] = [10. 4. 60. 64.]
250
251
          cord_individul_obj[indivial_i, :] = [11. 6. 76. 82.]
252
          cord_individul_obj[indivial_i, :] = [12. 5. 54. 59.]
253
          cord individul obj[indivial i, :] = [13. 5.38.43.]
          cord_individul_obj[indivial_i, :] = [14. 4. 12. 16.]
254
          cord_individul_obj[indivial_i, :] = [15. 5. 28. 33.]
255
256
          cord individul obj[indivial i, :] = [16. 4. 72. 76.]
          cord individul obj[indivial i, :] = [17. 5. 46. 51.]
257
258
          cord_individul_obj[indivial_i, :] = [18. 5. 94. 99.]
259
          cord_individul_obj[indivial_i, :] = [19. 4. 44. 48.]
260
261
        min(cord\_individul\_obj[:, 3]) = 13.0
262
        historl\_G\_best\_iter[iter, 3] = 13.0
263 Begin iteration:
264
265 \text{ iter} = 9
266
          cord_individul_obj[indivial_i, :] = [0. 5. 24. 29.]
267
          cord individul obj[indivial i, :] = [1. 4.50.54.]
268
          cord_individul_obj[indivial_i, :] = [2. 4. 24. 28.]
          cord_individul_obj[indivial_i, :] = [3. 4. 32. 36.]
269
270
          cord_individul_obj[indivial_i, :] = [4. 6. 48. 54.]
          cord_individul_obj[indivial_i, :] = [5. 6. 38. 44.]
271
          cord_individul_obj[indivial_i, :] = [6. 4. 12. 16.]
272
273
          cord_individul_obj[indivial_i, :] = [7. 6. 64. 70.]
          cord individul obj[indivial i, :] = [8.6.28.34.]
274
          cord_individul_obj[indivial_i, :] = [ 9. 6. 24. 30.]
275
          cord_individul_obj[indivial_i, :] = [10. 5. 46. 51.]
276
          cord_individul_obj[indivial_i, :] = [11. 6. 58. 64.]
277
278
          cord individul obj[indivial i, :] = [12. 5.28.33.]
279
          cord individul obj[indivial i, :] = [13. 5. 24. 29.]
280
          cord_individul_obj[indivial_i, :] = [14. 5. 12. 17.]
281
          cord_individul_obj[indivial_i, :] = [15. 4. 38. 42.]
          cord individul obj[indivial i, :] = [16. 4. 12. 16.]
282
283
          cord_individul_obj[indivial_i, :] = [17. 5. 32. 37.]
284
          cord_individul_obj[indivial_i, :] = [18. 5. 8. 13.]
          cord_individul_obj[indivial_i, :] = [19. 5. 58. 63.]
285
286
287
        min(cord\_individul\_obj[:, 3]) = 13.0
288
        historl\_G\_best\_iter[iter, 3] = 13.0
289
     Begin iteration:
290
291 iter = 10
292
          cord_individul_obj[indivial_i, :] = [0. 5. 60. 65.]
293
          cord individul obj[indivial i, :] = \begin{bmatrix} 1. & 5. & 32. & 37. \end{bmatrix}
294
          cord_individul_obj[indivial_i, :] = [ 2. 5. 42. 47.]
295
          cord_individul_obj[indivial_i, :] = [3. 4.38.42.]
296
          cord_individul_obj[indivial_i, :] = [4. 6. 28. 34.]
297
          cord_individul_obj[indivial_i, :] = [5. 5. 38. 43.]
          cord individul obj[indivial i, :] = [6.4.28.32.]
298
299
          cord_individul_obj[indivial_i, :] = [7. 5. 8. 13.]
          cord individul_obj[indivial_i, :] = [ 8. 6. 28. 34.]
300
          cord_individul_obj[indivial_i, :] = [ 9. 6. 8. 14.]
301
302
          cord_individul_obj[indivial_i, :] = [10. 5. 32. 37.]
          cord individul obi[indivial i, :] = [11. 6. 44. 50.]
303
          cord_individul_obj[indivial_i, :] = [12. 4. 38. 42.]
304
          cord_individul_obj[indivial_i, :] = [13. 5. 46. 51.]
305
306
          cord_individul_obj[indivial_i, :] = [14. 4. 12. 16.]
          cord individul obi[indivial i, :] = [15. 5.28.33.]
307
          cord_individul_obj[indivial_i, :] = [16. 4. 26. 30.]
308
          cord_individul_obj[indivial_i, :] = [17. 5. 36. 41.]
309
310
          cord individul obj[indivial i, :] = [18. 6.54.60.]
311
          cord_individul_obj[indivial_i, :] = [19. 4. 44. 48.]
312
313
        min(cord\_individul\_obj[:, 3]) = 13.0
314
        historl G best iter[iter, 3] = 13.0
315 Iteration calculate over
316
317
318
319
320
     All item are in Bin and:
321
        Bin area = 1080
322
        Real area = 91.0
        Proportion of area = 0.08425925925925926
323
324
          BEST CHROM =
325
             berth: [2.5 26. 11. 16.5 6.5 21.]
326
             time: [0. 0. 0. 0. 0. 0.]
327
             num_QC: [4. 2. 3. 3. 2. 2.]
328
        Objective function values and some other indicators:
329
                                 Obj1 = 8.00
          Obi0 = 5.00
                                                        Obj0 + Obj1 = 13.00
330
           Total movement of crane: 8.00
           Total waiting time in berth position: 0.00
331
```

_								
	Total index of q during berthing: 579.00							
	333	Specific ar	rangement for each vessel:					
	334	V_id: 0	li: 5.0	xi: 2.5	bow of i: 0.0	tail of i: 5.0	gama_i0: 0.0	gama_i1: 0.0
			gama_i1 + 1: 1.0	gama_i1 - ga	ama_i0: 0.0	duration_time_i: 1.0	demand_i: 80.0	work load_i:
		80.0	work load gap i: 0					
	335	V_id: 1	li: 6.0	xi: 26.0	bow of i: 23.0	tail of i: 29.0	gama_i0: 0.0	gama_i1: 2
		.0	gama_i1 + 1: 3.0	gama_i1 -	gama_i0: 2.0	duration_time_i: 3.0	demand_i: 120.0	work
		load_i: 120.0 work load gap_i: 0						
	336	V_id: 2	li: 6.0	xi: 11.0	bow of i: 8.0	tail of i: 14.0	gama_i0: 0.0	gama_i1: 4
		.0	gama_i1 + 1: 5.0	gama_i1 -	gama_i0: 4.0	duration_time_i: 5.0	demand_i: 260.0	work
		load_i: 260.0	work load gap_i: 0					
	337	V_id: 3	li: 5.0	xi: 16.5	bow of i: 14.0	tail of i: 19.0	gama_i0: 0.0	gama_i1: 1
		.0	gama_i1 + 1: 2.0	gama_i1 -	gama_i0: 1.0	duration_time_i: 2.0	demand_i: 80.0	work
	load_i: 80.0 work load gap_i: 0							
	338	V_id: 4	li: 3.0	xi: 6.5	bow of i: 5.0	tail of i: 8.0	gama_i0: 0.0	gama_i1: 4.0
		gama_i1 + 1: 5.0		gama_i1 - ga	ama_i0: 4.0	duration_time_i: 5.0	demand_i: 200.0	work load_i:
		200.0	work load gap_i: 0					
	339	V_id: 5	li: 4.0	xi: 21.0	bow of i: 19.0	tail of i: 23.0	gama_i0: 0.0	gama_i1: 5
		.0	gama_i1 + 1: 6.0	gama_i1 -	gama_i0: 5.0	duration_time_i: 6.0	demand_i: 220.0	work
		load_i: 220.0 work load gap_i: 0						
340								
	341 Algorithm finished and the total CPU time: 72 s							
342 End								
	343							