

unknown

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80 cord_individual_obj[indivial_i,:] = [ 16. 8. 139. 147.]
81 cord_individual_obj[indivial_i,:] = [17. 6. 80. 86.]
82 cord_individual_obj[indivial_i,:] = [18. 8. 82. 90.]
83 cord_individual_obj[indivial_i,:] = [19. 10. 67. 77.]
84 cord_individual_obj[indivial_i,:] = [20. 9. 60. 69.]
85 cord_individual_obj[indivial_i,:] = [21. 9. 93. 102.]
86 cord_individual_obj[indivial_i,:] = [22. 7. 91. 98.]
87 cord_individual_obj[indivial_i,:] = [23. 7. 78. 85.]
88 cord_individual_obj[indivial_i,:] = [24. 9. 77. 86.]
89
90 min(cord_individual_obj[:,3]) = 41.0
91 historl_G_best_iter[iter,3] = 41.0
92 Begin iteration:
93
94 iter = 2
95 cord_individual_obj[indivial_i,:] = [ 0. 10. 124. 134.]
96 cord_individual_obj[indivial_i,:] = [ 1. 9. 62. 71.]
97 cord_individual_obj[indivial_i,:] = [ 2. 9. 118. 127.]
98 cord_individual_obj[indivial_i,:] = [ 3. 7. 34. 41.]
99 cord_individual_obj[indivial_i,:] = [ 4. 9. 87. 96.]
100 cord_individual_obj[indivial_i,:] = [ 5. 7. 146. 153.]
101 cord_individual_obj[indivial_i,:] = [ 6. 9. 122. 131.]
102 cord_individual_obj[indivial_i,:] = [ 7. 10. 64. 74.]
103 cord_individual_obj[indivial_i,:] = [ 8. 8. 62. 70.]
104 cord_individual_obj[indivial_i,:] = [ 9. 8. 54. 62.]
105 cord_individual_obj[indivial_i,:] = [10. 8. 57. 65.]
106 cord_individual_obj[indivial_i,:] = [11. 8. 94. 102.]
107 cord_individual_obj[indivial_i,:] = [12. 9. 87. 96.]
108 cord_individual_obj[indivial_i,:] = [13. 9. 156. 165.]
109 cord_individual_obj[indivial_i,:] = [14. 10. 91. 101.]
110 cord_individual_obj[indivial_i,:] = [15. 9. 125. 134.]
111 cord_individual_obj[indivial_i,:] = [16. 9. 103. 112.]
112 cord_individual_obj[indivial_i,:] = [17. 9. 75. 84.]
113 cord_individual_obj[indivial_i,:] = [18. 9. 90. 99.]
114 cord_individual_obj[indivial_i,:] = [19. 8. 119. 127.]
115 cord_individual_obj[indivial_i,:] = [20. 6. 86. 92.]
116 cord_individual_obj[indivial_i,:] = [21. 10. 105. 115.]
117 cord_individual_obj[indivial_i,:] = [22. 10. 116. 126.]
118 cord_individual_obj[indivial_i,:] = [23. 9. 119. 128.]
119 cord_individual_obj[indivial_i,:] = [24. 10. 54. 64.]
120
121 min(cord_individual_obj[:,3]) = 41.0
122 historl_G_best_iter[iter,3] = 41.0
123 Begin iteration:
124
125 iter = 3
126 cord_individual_obj[indivial_i,:] = [ 0. 7. 94. 101.]
127 cord_individual_obj[indivial_i,:] = [ 1. 8. 61. 69.]
128 cord_individual_obj[indivial_i,:] = [ 2. 8. 109. 117.]
129 cord_individual_obj[indivial_i,:] = [ 3. 8. 36. 44.]
130 cord_individual_obj[indivial_i,:] = [ 4. 8. 94. 102.]
131 cord_individual_obj[indivial_i,:] = [ 5. 9. 96. 105.]
132 cord_individual_obj[indivial_i,:] = [ 6. 9. 123. 132.]
133 cord_individual_obj[indivial_i,:] = [ 7. 9. 82. 91.]
134 cord_individual_obj[indivial_i,:] = [ 8. 7. 92. 99.]
135 cord_individual_obj[indivial_i,:] = [ 9. 8. 113. 121.]
136 cord_individual_obj[indivial_i,:] = [10. 8. 77. 85.]
137 cord_individual_obj[indivial_i,:] = [11. 8. 62. 70.]
138 cord_individual_obj[indivial_i,:] = [12. 9. 82. 91.]
139 cord_individual_obj[indivial_i,:] = [13. 7. 34. 41.]
140 cord_individual_obj[indivial_i,:] = [14. 8. 85. 93.]
141 cord_individual_obj[indivial_i,:] = [15. 8. 44. 52.]
142 cord_individual_obj[indivial_i,:] = [16. 12. 83. 95.]
143 cord_individual_obj[indivial_i,:] = [17. 11. 87. 98.]
144 cord_individual_obj[indivial_i,:] = [18. 9. 81. 90.]
145 cord_individual_obj[indivial_i,:] = [19. 8. 137. 145.]
146 cord_individual_obj[indivial_i,:] = [20. 7. 87. 94.]
147 cord_individual_obj[indivial_i,:] = [21. 7. 86. 93.]
148 cord_individual_obj[indivial_i,:] = [22. 9. 87. 96.]
149 cord_individual_obj[indivial_i,:] = [23. 10. 81. 91.]
150 cord_individual_obj[indivial_i,:] = [24. 9. 54. 63.]
151
152 min(cord_individual_obj[:,3]) = 41.0
153 historl_G_best_iter[iter,3] = 41.0
154 Begin iteration:
155
156 iter = 4
157 cord_individual_obj[indivial_i,:] = [ 0. 8. 111. 119.]
158 cord_individual_obj[indivial_i,:] = [ 1. 7. 37. 44.]
159 cord_individual_obj[indivial_i,:] = [ 2. 8. 115. 123.]
160 cord_individual_obj[indivial_i,:] = [ 3. 11. 80. 91.]
161 cord_individual_obj[indivial_i,:] = [ 4. 10. 115. 125.]
162 cord_individual_obj[indivial_i,:] = [ 5. 9. 127. 136.]
163 cord_individual_obj[indivial_i,:] = [ 6. 9. 104. 113.]

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164 cord_individual_obj[indivial_i,:] = [ 7. 8. 97. 105.]
165 cord_individual_obj[indivial_i,:] = [ 8. 8. 69. 77.]
166 cord_individual_obj[indivial_i,:] = [ 9. 10. 92. 102.]
167 cord_individual_obj[indivial_i,:] = [10. 8. 35. 43.]
168 cord_individual_obj[indivial_i,:] = [11. 9. 72. 81.]
169 cord_individual_obj[indivial_i,:] = [12. 12. 93. 105.]
170 cord_individual_obj[indivial_i,:] = [13. 11. 84. 95.]
171 cord_individual_obj[indivial_i,:] = [14. 10. 45. 55.]
172 cord_individual_obj[indivial_i,:] = [15. 10. 47. 57.]
173 cord_individual_obj[indivial_i,:] = [16. 10. 66. 76.]
174 cord_individual_obj[indivial_i,:] = [17. 8. 72. 80.]
175 cord_individual_obj[indivial_i,:] = [18. 11. 84. 95.]
176 cord_individual_obj[indivial_i,:] = [19. 7. 34. 41.]
177 cord_individual_obj[indivial_i,:] = [20. 9. 161. 170.]
178 cord_individual_obj[indivial_i,:] = [21. 9. 84. 93.]
179 cord_individual_obj[indivial_i,:] = [22. 8. 98. 106.]
180 cord_individual_obj[indivial_i,:] = [23. 11. 57. 68.]
181 cord_individual_obj[indivial_i,:] = [24. 8. 62. 70.]
182
183 min(cord_individual_obj[:,3]) = 41.0
184 historl_G_best_iter[iter,3] = 41.0
185 Begin iteration:
186
187 iter = 5
188 cord_individual_obj[indivial_i,:] = [ 0. 9. 56. 65.]
189 cord_individual_obj[indivial_i,:] = [ 1. 8. 68. 76.]
190 cord_individual_obj[indivial_i,:] = [ 2. 8. 85. 93.]
191 cord_individual_obj[indivial_i,:] = [ 3. 8. 107. 115.]
192 cord_individual_obj[indivial_i,:] = [ 4. 8. 94. 102.]
193 cord_individual_obj[indivial_i,:] = [ 5. 8. 54. 62.]
194 cord_individual_obj[indivial_i,:] = [ 6. 9. 84. 93.]
195 cord_individual_obj[indivial_i,:] = [ 7. 7. 79. 86.]
196 cord_individual_obj[indivial_i,:] = [ 8. 8. 52. 60.]
197 cord_individual_obj[indivial_i,:] = [ 9. 7. 86. 93.]
198 cord_individual_obj[indivial_i,:] = [10. 11. 52. 63.]
199 cord_individual_obj[indivial_i,:] = [11. 8. 110. 118.]
200 cord_individual_obj[indivial_i,:] = [12. 8. 67. 75.]
201 cord_individual_obj[indivial_i,:] = [13. 11. 51. 62.]
202 cord_individual_obj[indivial_i,:] = [14. 9. 104. 113.]
203 cord_individual_obj[indivial_i,:] = [15. 8. 79. 87.]
204 cord_individual_obj[indivial_i,:] = [16. 8. 42. 50.]
205 cord_individual_obj[indivial_i,:] = [17. 8. 106. 114.]
206 cord_individual_obj[indivial_i,:] = [18. 7. 124. 131.]
207 cord_individual_obj[indivial_i,:] = [19. 10. 104. 114.]
208 cord_individual_obj[indivial_i,:] = [20. 7. 34. 41.]
209 cord_individual_obj[indivial_i,:] = [21. 8. 102. 110.]
210 cord_individual_obj[indivial_i,:] = [22. 10. 85. 95.]
211 cord_individual_obj[indivial_i,:] = [23. 7. 39. 46.]
212 cord_individual_obj[indivial_i,:] = [24. 8. 92. 100.]
213
214 min(cord_individual_obj[:,3]) = 41.0
215 historl_G_best_iter[iter,3] = 41.0
216 Begin iteration:
217
218 iter = 6
219 cord_individual_obj[indivial_i,:] = [ 0. 7. 94. 101.]
220 cord_individual_obj[indivial_i,:] = [ 1. 11. 60. 71.]
221 cord_individual_obj[indivial_i,:] = [ 2. 9. 76. 85.]
222 cord_individual_obj[indivial_i,:] = [ 3. 9. 105. 114.]
223 cord_individual_obj[indivial_i,:] = [ 4. 9. 95. 104.]
224 cord_individual_obj[indivial_i,:] = [ 5. 8. 99. 107.]
225 cord_individual_obj[indivial_i,:] = [ 6. 9. 76. 85.]
226 cord_individual_obj[indivial_i,:] = [ 7. 7. 62. 69.]
227 cord_individual_obj[indivial_i,:] = [ 8. 9. 66. 75.]
228 cord_individual_obj[indivial_i,:] = [ 9. 10. 89. 99.]
229 cord_individual_obj[indivial_i,:] = [10. 8. 80. 88.]
230 cord_individual_obj[indivial_i,:] = [11. 11. 101. 112.]
231 cord_individual_obj[indivial_i,:] = [12. 8. 91. 99.]
232 cord_individual_obj[indivial_i,:] = [13. 10. 46. 56.]
233 cord_individual_obj[indivial_i,:] = [14. 9. 131. 140.]
234 cord_individual_obj[indivial_i,:] = [15. 10. 64. 74.]
235 cord_individual_obj[indivial_i,:] = [16. 8. 59. 67.]
236 cord_individual_obj[indivial_i,:] = [17. 9. 67. 76.]
237 cord_individual_obj[indivial_i,:] = [18. 7. 34. 41.]
238 cord_individual_obj[indivial_i,:] = [19. 10. 103. 113.]
239 cord_individual_obj[indivial_i,:] = [20. 6. 106. 112.]
240 cord_individual_obj[indivial_i,:] = [21. 8. 56. 64.]
241 cord_individual_obj[indivial_i,:] = [22. 7. 116. 123.]
242 cord_individual_obj[indivial_i,:] = [23. 8. 72. 80.]
243 cord_individual_obj[indivial_i,:] = [24. 8. 124. 132.]
244
245 min(cord_individual_obj[:,3]) = 41.0
246 historl_G_best_iter[iter,3] = 41.0
247 Begin iteration:

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248
249 iter = 7
250 cord_individual_obj[indivial_i, :] = [ 0.  9. 100. 109.]
251 cord_individual_obj[indivial_i, :] = [ 1. 13. 106. 119.]
252 cord_individual_obj[indivial_i, :] = [ 2. 10. 70. 80.]
253 cord_individual_obj[indivial_i, :] = [ 3. 10. 60. 70.]
254 cord_individual_obj[indivial_i, :] = [ 4. 10. 67. 77.]
255 cord_individual_obj[indivial_i, :] = [ 5.  7. 60. 67.]
256 cord_individual_obj[indivial_i, :] = [ 6.  7. 100. 107.]
257 cord_individual_obj[indivial_i, :] = [ 7.  8. 44. 52.]
258 cord_individual_obj[indivial_i, :] = [ 8.  8. 125. 133.]
259 cord_individual_obj[indivial_i, :] = [ 9.  9. 89. 98.]
260 cord_individual_obj[indivial_i, :] = [10.  7. 74. 81.]
261 cord_individual_obj[indivial_i, :] = [11.  7. 69. 76.]
262 cord_individual_obj[indivial_i, :] = [12. 12. 82. 94.]
263 cord_individual_obj[indivial_i, :] = [13.  9. 85. 94.]
264 cord_individual_obj[indivial_i, :] = [14.  7. 34. 41.]
265 cord_individual_obj[indivial_i, :] = [15.  8. 55. 63.]
266 cord_individual_obj[indivial_i, :] = [16.  9. 67. 76.]
267 cord_individual_obj[indivial_i, :] = [17.  8. 130. 138.]
268 cord_individual_obj[indivial_i, :] = [18.  9. 90. 99.]
269 cord_individual_obj[indivial_i, :] = [19.  7. 81. 88.]
270 cord_individual_obj[indivial_i, :] = [20.  9. 161. 170.]
271 cord_individual_obj[indivial_i, :] = [21.  8. 161. 169.]
272 cord_individual_obj[indivial_i, :] = [22. 10. 91. 101.]
273 cord_individual_obj[indivial_i, :] = [23. 10. 38. 48.]
274 cord_individual_obj[indivial_i, :] = [24. 10. 83. 93.]
275

276 min(cord_individual_obj[:, 3]) = 41.0
277 historl_G_best_iter[iter, 3] = 41.0
278 Begin iteration:
279
280 iter = 8
281 cord_individual_obj[indivial_i, :] = [ 0.  8. 43. 51.]
282 cord_individual_obj[indivial_i, :] = [ 1.  8. 69. 77.]
283 cord_individual_obj[indivial_i, :] = [ 2.  9. 77. 86.]
284 cord_individual_obj[indivial_i, :] = [ 3. 11. 87. 98.]
285 cord_individual_obj[indivial_i, :] = [ 4.  8. 63. 71.]
286 cord_individual_obj[indivial_i, :] = [ 5.  6. 31. 37.]
287 cord_individual_obj[indivial_i, :] = [ 6.  9. 50. 59.]
288 cord_individual_obj[indivial_i, :] = [ 7.  7. 85. 92.]
289 cord_individual_obj[indivial_i, :] = [ 8.  9. 40. 49.]
290 cord_individual_obj[indivial_i, :] = [ 9.  7. 142. 149.]
291 cord_individual_obj[indivial_i, :] = [10.  7. 69. 76.]
292 cord_individual_obj[indivial_i, :] = [11.  7. 88. 95.]
293 cord_individual_obj[indivial_i, :] = [12.  8. 58. 66.]
294 cord_individual_obj[indivial_i, :] = [13.  9. 63. 72.]
295 cord_individual_obj[indivial_i, :] = [14.  9. 91. 100.]
296 cord_individual_obj[indivial_i, :] = [15.  7. 72. 79.]
297 cord_individual_obj[indivial_i, :] = [16.  8. 80. 88.]
298 cord_individual_obj[indivial_i, :] = [17.  9. 103. 112.]
299 cord_individual_obj[indivial_i, :] = [18.  9. 138. 147.]
300 cord_individual_obj[indivial_i, :] = [19.  9. 90. 99.]
301 cord_individual_obj[indivial_i, :] = [20.  7. 34. 41.]
302 cord_individual_obj[indivial_i, :] = [21.  8. 107. 115.]
303 cord_individual_obj[indivial_i, :] = [22. 10. 42. 52.]
304 cord_individual_obj[indivial_i, :] = [23.  8. 70. 78.]
305 cord_individual_obj[indivial_i, :] = [24.  9. 33. 42.]
306

307 min(cord_individual_obj[:, 3]) = 37.0
308 historl_G_best_iter[iter, 3] = 37.0
309 Begin iteration:
310
311 iter = 9
312 cord_individual_obj[indivial_i, :] = [ 0.  8. 64. 72.]
313 cord_individual_obj[indivial_i, :] = [ 1. 10. 83. 93.]
314 cord_individual_obj[indivial_i, :] = [ 2.  8. 47. 55.]
315 cord_individual_obj[indivial_i, :] = [ 3.  9. 96. 105.]
316 cord_individual_obj[indivial_i, :] = [ 4. 10. 35. 45.]
317 cord_individual_obj[indivial_i, :] = [ 5.  8. 66. 74.]
318 cord_individual_obj[indivial_i, :] = [ 6.  7. 68. 75.]
319 cord_individual_obj[indivial_i, :] = [ 7.  7. 66. 73.]
320 cord_individual_obj[indivial_i, :] = [ 8.  9. 93. 102.]
321 cord_individual_obj[indivial_i, :] = [ 9.  6. 31. 37.]
322 cord_individual_obj[indivial_i, :] = [10.  7. 134. 141.]
323 cord_individual_obj[indivial_i, :] = [11.  8. 87. 95.]
324 cord_individual_obj[indivial_i, :] = [12. 10. 98. 108.]
325 cord_individual_obj[indivial_i, :] = [13.  9. 42. 51.]
326 cord_individual_obj[indivial_i, :] = [14.  9. 120. 129.]
327 cord_individual_obj[indivial_i, :] = [15.  8. 91. 99.]
328 cord_individual_obj[indivial_i, :] = [16.  8. 36. 44.]
329 cord_individual_obj[indivial_i, :] = [17.  7. 62. 69.]
330 cord_individual_obj[indivial_i, :] = [18.  8. 59. 67.]
331 cord_individual_obj[indivial_i, :] = [19.  8. 76. 84.]

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332 cord_individual_obj[indivial_i, :] = [20. 7. 33. 40.]
333 cord_individual_obj[indivial_i, :] = [21. 9. 92. 101.]
334 cord_individual_obj[indivial_i, :] = [22. 9. 115. 124.]
335 cord_individual_obj[indivial_i, :] = [23. 8. 36. 44.]
336 cord_individual_obj[indivial_i, :] = [24. 9. 67. 76.]
337
338 min(cord_individual_obj[:, 3]) = 37.0
339 histol_G_best_iter[iter, 3] = 37.0
340 Begin iteration:
341
342 iter = 10
343 cord_individual_obj[indivial_i, :] = [ 0. 10. 44. 54.]
344 cord_individual_obj[indivial_i, :] = [ 1. 10. 44. 54.]
345 cord_individual_obj[indivial_i, :] = [ 2. 9. 170. 179.]
346 cord_individual_obj[indivial_i, :] = [ 3. 8. 93. 101.]
347 cord_individual_obj[indivial_i, :] = [ 4. 10. 55. 65.]
348 cord_individual_obj[indivial_i, :] = [ 5. 7. 82. 89.]
349 cord_individual_obj[indivial_i, :] = [ 6. 8. 72. 80.]
350 cord_individual_obj[indivial_i, :] = [ 7. 9. 61. 70.]
351 cord_individual_obj[indivial_i, :] = [ 8. 9. 98. 107.]
352 cord_individual_obj[indivial_i, :] = [ 9. 9. 75. 84.]
353 cord_individual_obj[indivial_i, :] = [10. 6. 31. 37.]
354 cord_individual_obj[indivial_i, :] = [11. 9. 87. 96.]
355 cord_individual_obj[indivial_i, :] = [12. 9. 73. 82.]
356 cord_individual_obj[indivial_i, :] = [13. 8. 84. 92.]
357 cord_individual_obj[indivial_i, :] = [14. 10. 55. 65.]
358 cord_individual_obj[indivial_i, :] = [15. 7. 103. 110.]
359 cord_individual_obj[indivial_i, :] = [16. 9. 106. 115.]
360 cord_individual_obj[indivial_i, :] = [17. 7. 55. 62.]
361 cord_individual_obj[indivial_i, :] = [18. 8. 79. 87.]
362 cord_individual_obj[indivial_i, :] = [19. 9. 117. 126.]
363 cord_individual_obj[indivial_i, :] = [20. 10. 72. 82.]
364 cord_individual_obj[indivial_i, :] = [21. 8. 92. 100.]
365 cord_individual_obj[indivial_i, :] = [22. 6. 53. 59.]
366 cord_individual_obj[indivial_i, :] = [23. 11. 39. 50.]
367 cord_individual_obj[indivial_i, :] = [24. 10. 53. 63.]
368
369 min(cord_individual_obj[:, 3]) = 37.0
370 histol_G_best_iter[iter, 3] = 37.0
371 Begin iteration:
372
373 iter = 11
374 cord_individual_obj[indivial_i, :] = [ 0. 8. 85. 93.]
375 cord_individual_obj[indivial_i, :] = [ 1. 10. 75. 85.]
376 cord_individual_obj[indivial_i, :] = [ 2. 6. 31. 37.]
377 cord_individual_obj[indivial_i, :] = [ 3. 10. 83. 93.]
378 cord_individual_obj[indivial_i, :] = [ 4. 10. 86. 96.]
379 cord_individual_obj[indivial_i, :] = [ 5. 9. 38. 47.]
380 cord_individual_obj[indivial_i, :] = [ 6. 10. 71. 81.]
381 cord_individual_obj[indivial_i, :] = [ 7. 6. 79. 85.]
382 cord_individual_obj[indivial_i, :] = [ 8. 9. 91. 100.]
383 cord_individual_obj[indivial_i, :] = [ 9. 9. 84. 93.]
384 cord_individual_obj[indivial_i, :] = [10. 7. 85. 92.]
385 cord_individual_obj[indivial_i, :] = [11. 9. 70. 79.]
386 cord_individual_obj[indivial_i, :] = [12. 10. 97. 107.]
387 cord_individual_obj[indivial_i, :] = [13. 10. 54. 64.]
388 cord_individual_obj[indivial_i, :] = [14. 9. 56. 65.]
389 cord_individual_obj[indivial_i, :] = [15. 9. 49. 58.]
390 cord_individual_obj[indivial_i, :] = [16. 9. 42. 51.]
391 cord_individual_obj[indivial_i, :] = [17. 9. 41. 50.]
392 cord_individual_obj[indivial_i, :] = [18. 9. 99. 108.]
393 cord_individual_obj[indivial_i, :] = [19. 8. 73. 81.]
394 cord_individual_obj[indivial_i, :] = [20. 7. 37. 44.]
395 cord_individual_obj[indivial_i, :] = [21. 10. 51. 61.]
396 cord_individual_obj[indivial_i, :] = [22. 10. 120. 130.]
397 cord_individual_obj[indivial_i, :] = [23. 8. 47. 55.]
398 cord_individual_obj[indivial_i, :] = [24. 7. 51. 58.]
399
400 min(cord_individual_obj[:, 3]) = 37.0
401 histol_G_best_iter[iter, 3] = 37.0
402 Begin iteration:
403
404 iter = 12
405 cord_individual_obj[indivial_i, :] = [ 0. 7. 72. 79.]
406 cord_individual_obj[indivial_i, :] = [ 1. 8. 72. 80.]
407 cord_individual_obj[indivial_i, :] = [ 2. 7. 109. 116.]
408 cord_individual_obj[indivial_i, :] = [ 3. 8. 41. 49.]
409 cord_individual_obj[indivial_i, :] = [ 4. 9. 108. 117.]
410 cord_individual_obj[indivial_i, :] = [ 5. 9. 38. 47.]
411 cord_individual_obj[indivial_i, :] = [ 6. 6. 61. 67.]
412 cord_individual_obj[indivial_i, :] = [ 7. 6. 83. 89.]
413 cord_individual_obj[indivial_i, :] = [ 8. 7. 77. 84.]
414 cord_individual_obj[indivial_i, :] = [ 9. 9. 94. 103.]
415 cord_individual_obj[indivial_i, :] = [10. 7. 73. 80.]

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416 cord_individual_obj[indivial_i,:] = [11. 9. 49. 58.]
417 cord_individual_obj[indivial_i,:] = [12. 9. 89. 98.]
418 cord_individual_obj[indivial_i,:] = [13. 9. 69. 78.]
419 cord_individual_obj[indivial_i,:] = [14. 8. 63. 71.]
420 cord_individual_obj[indivial_i,:] = [15. 7. 73. 80.]
421 cord_individual_obj[indivial_i,:] = [16. 9. 53. 62.]
422 cord_individual_obj[indivial_i,:] = [17. 9. 67. 76.]
423 cord_individual_obj[indivial_i,:] = [18. 8. 53. 61.]
424 cord_individual_obj[indivial_i,:] = [19. 7. 90. 97.]
425 cord_individual_obj[indivial_i,:] = [20. 7. 91. 98.]
426 cord_individual_obj[indivial_i,:] = [21. 8. 32. 40.]
427 cord_individual_obj[indivial_i,:] = [22. 6. 31. 37.]
428 cord_individual_obj[indivial_i,:] = [23. 10. 87. 97.]
429 cord_individual_obj[indivial_i,:] = [24. 9. 68. 77.]
430
431 min(cord_individual_obj[:,3]) = 37.0
432 histol_G_best_iter[iter,3] = 37.0
433 Begin iteration:
434
435 iter = 13
436 cord_individual_obj[indivial_i,:] = [ 0. 8. 59. 67.]
437 cord_individual_obj[indivial_i,:] = [ 1. 8. 89. 97.]
438 cord_individual_obj[indivial_i,:] = [ 2. 7. 52. 59.]
439 cord_individual_obj[indivial_i,:] = [ 3. 12. 85. 97.]
440 cord_individual_obj[indivial_i,:] = [ 4. 6. 31. 37.]
441 cord_individual_obj[indivial_i,:] = [ 5. 8. 107. 115.]
442 cord_individual_obj[indivial_i,:] = [ 6. 9. 41. 50.]
443 cord_individual_obj[indivial_i,:] = [ 7. 7. 64. 71.]
444 cord_individual_obj[indivial_i,:] = [ 8. 9. 79. 88.]
445 cord_individual_obj[indivial_i,:] = [ 9. 9. 39. 48.]
446 cord_individual_obj[indivial_i,:] = [10. 7. 54. 61.]
447 cord_individual_obj[indivial_i,:] = [11. 8. 67. 75.]
448 cord_individual_obj[indivial_i,:] = [12. 9. 90. 99.]
449 cord_individual_obj[indivial_i,:] = [13. 9. 67. 76.]
450 cord_individual_obj[indivial_i,:] = [14. 11. 44. 55.]
451 cord_individual_obj[indivial_i,:] = [15. 8. 121. 129.]
452 cord_individual_obj[indivial_i,:] = [16. 8. 80. 88.]
453 cord_individual_obj[indivial_i,:] = [17. 9. 46. 55.]
454 cord_individual_obj[indivial_i,:] = [18. 8. 108. 116.]
455 cord_individual_obj[indivial_i,:] = [19. 11. 91. 102.]
456 cord_individual_obj[indivial_i,:] = [20. 9. 111. 120.]
457 cord_individual_obj[indivial_i,:] = [21. 9. 154. 163.]
458 cord_individual_obj[indivial_i,:] = [22. 10. 57. 67.]
459 cord_individual_obj[indivial_i,:] = [23. 11. 49. 60.]
460 cord_individual_obj[indivial_i,:] = [24. 8. 77. 85.]
461
462 min(cord_individual_obj[:,3]) = 37.0
463 histol_G_best_iter[iter,3] = 37.0
464 Begin iteration:
465
466 iter = 14
467 cord_individual_obj[indivial_i,:] = [ 0. 10. 70. 80.]
468 cord_individual_obj[indivial_i,:] = [ 1. 7. 59. 66.]
469 cord_individual_obj[indivial_i,:] = [ 2. 9. 148. 157.]
470 cord_individual_obj[indivial_i,:] = [ 3. 9. 97. 106.]
471 cord_individual_obj[indivial_i,:] = [ 4. 10. 89. 99.]
472 cord_individual_obj[indivial_i,:] = [ 5. 8. 54. 62.]
473 cord_individual_obj[indivial_i,:] = [ 6. 8. 81. 89.]
474 cord_individual_obj[indivial_i,:] = [ 7. 7. 101. 108.]
475 cord_individual_obj[indivial_i,:] = [ 8. 8. 82. 90.]
476 cord_individual_obj[indivial_i,:] = [ 9. 8. 56. 64.]
477 cord_individual_obj[indivial_i,:] = [10. 7. 47. 54.]
478 cord_individual_obj[indivial_i,:] = [11. 11. 79. 90.]
479 cord_individual_obj[indivial_i,:] = [12. 6. 27. 33.]
480 cord_individual_obj[indivial_i,:] = [13. 9. 85. 94.]
481 cord_individual_obj[indivial_i,:] = [14. 8. 60. 68.]
482 cord_individual_obj[indivial_i,:] = [15. 6. 129. 135.]
483 cord_individual_obj[indivial_i,:] = [16. 9. 52. 61.]
484 cord_individual_obj[indivial_i,:] = [17. 8. 72. 80.]
485 cord_individual_obj[indivial_i,:] = [18. 7. 97. 104.]
486 cord_individual_obj[indivial_i,:] = [19. 8. 122. 130.]
487 cord_individual_obj[indivial_i,:] = [20. 7. 87. 94.]
488 cord_individual_obj[indivial_i,:] = [21. 6. 31. 37.]
489 cord_individual_obj[indivial_i,:] = [22. 6. 42. 48.]
490 cord_individual_obj[indivial_i,:] = [23. 9. 82. 91.]
491 cord_individual_obj[indivial_i,:] = [24. 8. 38. 46.]
492
493 min(cord_individual_obj[:,3]) = 33.0
494 histol_G_best_iter[iter,3] = 33.0
495 Begin iteration:
496
497 iter = 15
498 cord_individual_obj[indivial_i,:] = [ 0. 10. 113. 123.]
499 cord_individual_obj[indivial_i,:] = [ 1. 10. 86. 96.]

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500 cord_individual_obj[indivial_i,:] = [ 2. 6. 27. 33.]
501 cord_individual_obj[indivial_i,:] = [ 3. 9. 70. 79.]
502 cord_individual_obj[indivial_i,:] = [ 4. 7. 112. 119.]
503 cord_individual_obj[indivial_i,:] = [ 5. 8. 83. 91.]
504 cord_individual_obj[indivial_i,:] = [ 6. 8. 71. 79.]
505 cord_individual_obj[indivial_i,:] = [ 7. 7. 61. 68.]
506 cord_individual_obj[indivial_i,:] = [ 8. 7. 53. 60.]
507 cord_individual_obj[indivial_i,:] = [ 9. 9. 81. 90.]
508 cord_individual_obj[indivial_i,:] = [ 10. 7. 112. 119.]
509 cord_individual_obj[indivial_i,:] = [ 11. 7. 98. 105.]
510 cord_individual_obj[indivial_i,:] = [ 12. 9. 56. 65.]
511 cord_individual_obj[indivial_i,:] = [ 13. 8. 56. 64.]
512 cord_individual_obj[indivial_i,:] = [ 14. 8. 90. 98.]
513 cord_individual_obj[indivial_i,:] = [ 15. 9. 33. 42.]
514 cord_individual_obj[indivial_i,:] = [ 16. 8. 80. 88.]
515 cord_individual_obj[indivial_i,:] = [ 17. 12. 61. 73.]
516 cord_individual_obj[indivial_i,:] = [ 18. 8. 77. 85.]
517 cord_individual_obj[indivial_i,:] = [ 19. 10. 112. 122.]
518 cord_individual_obj[indivial_i,:] = [ 20. 9. 63. 72.]
519 cord_individual_obj[indivial_i,:] = [ 21. 8. 82. 90.]
520 cord_individual_obj[indivial_i,:] = [ 22. 8. 35. 43.]
521 cord_individual_obj[indivial_i,:] = [ 23. 9. 84. 93.]
522 cord_individual_obj[indivial_i,:] = [ 24. 9. 68. 77.]
523
524 min(cord_individual_obj[:, 3]) = 33.0
525 histol_G_best_iter[iter, 3] = 33.0
526 Begin iteration:
527
528 iter = 16
529 cord_individual_obj[indivial_i,:] = [ 0. 6. 27. 33.]
530 cord_individual_obj[indivial_i,:] = [ 1. 7. 65. 72.]
531 cord_individual_obj[indivial_i,:] = [ 2. 7. 73. 80.]
532 cord_individual_obj[indivial_i,:] = [ 3. 9. 81. 90.]
533 cord_individual_obj[indivial_i,:] = [ 4. 8. 87. 95.]
534 cord_individual_obj[indivial_i,:] = [ 5. 7. 67. 74.]
535 cord_individual_obj[indivial_i,:] = [ 6. 7. 67. 74.]
536 cord_individual_obj[indivial_i,:] = [ 7. 9. 115. 124.]
537 cord_individual_obj[indivial_i,:] = [ 8. 8. 60. 68.]
538 cord_individual_obj[indivial_i,:] = [ 9. 7. 76. 83.]
539 cord_individual_obj[indivial_i,:] = [ 10. 7. 90. 97.]
540 cord_individual_obj[indivial_i,:] = [ 11. 9. 65. 74.]
541 cord_individual_obj[indivial_i,:] = [ 12. 10. 118. 128.]
542 cord_individual_obj[indivial_i,:] = [ 13. 7. 63. 70.]
543 cord_individual_obj[indivial_i,:] = [ 14. 9. 84. 93.]
544 cord_individual_obj[indivial_i,:] = [ 15. 8. 104. 112.]
545 cord_individual_obj[indivial_i,:] = [ 16. 7. 76. 83.]
546 cord_individual_obj[indivial_i,:] = [ 17. 10. 56. 66.]
547 cord_individual_obj[indivial_i,:] = [ 18. 7. 66. 73.]
548 cord_individual_obj[indivial_i,:] = [ 19. 8. 86. 94.]
549 cord_individual_obj[indivial_i,:] = [ 20. 7. 42. 49.]
550 cord_individual_obj[indivial_i,:] = [ 21. 9. 86. 95.]
551 cord_individual_obj[indivial_i,:] = [ 22. 7. 33. 40.]
552 cord_individual_obj[indivial_i,:] = [ 23. 8. 111. 119.]
553 cord_individual_obj[indivial_i,:] = [ 24. 9. 63. 72.]
554
555 min(cord_individual_obj[:, 3]) = 33.0
556 histol_G_best_iter[iter, 3] = 33.0
557 Begin iteration:
558
559 iter = 17
560 cord_individual_obj[indivial_i,:] = [ 0. 9. 50. 59.]
561 cord_individual_obj[indivial_i,:] = [ 1. 8. 60. 68.]
562 cord_individual_obj[indivial_i,:] = [ 2. 10. 100. 110.]
563 cord_individual_obj[indivial_i,:] = [ 3. 7. 92. 99.]
564 cord_individual_obj[indivial_i,:] = [ 4. 9. 70. 79.]
565 cord_individual_obj[indivial_i,:] = [ 5. 7. 36. 43.]
566 cord_individual_obj[indivial_i,:] = [ 6. 10. 81. 91.]
567 cord_individual_obj[indivial_i,:] = [ 7. 8. 131. 139.]
568 cord_individual_obj[indivial_i,:] = [ 8. 8. 103. 111.]
569 cord_individual_obj[indivial_i,:] = [ 9. 9. 54. 63.]
570 cord_individual_obj[indivial_i,:] = [ 10. 8. 67. 75.]
571 cord_individual_obj[indivial_i,:] = [ 11. 7. 73. 80.]
572 cord_individual_obj[indivial_i,:] = [ 12. 6. 27. 33.]
573 cord_individual_obj[indivial_i,:] = [ 13. 11. 63. 74.]
574 cord_individual_obj[indivial_i,:] = [ 14. 8. 106. 114.]
575 cord_individual_obj[indivial_i,:] = [ 15. 10. 50. 60.]
576 cord_individual_obj[indivial_i,:] = [ 16. 9. 78. 87.]
577 cord_individual_obj[indivial_i,:] = [ 17. 9. 97. 106.]
578 cord_individual_obj[indivial_i,:] = [ 18. 8. 100. 108.]
579 cord_individual_obj[indivial_i,:] = [ 19. 8. 82. 90.]
580 cord_individual_obj[indivial_i,:] = [ 20. 7. 69. 76.]
581 cord_individual_obj[indivial_i,:] = [ 21. 9. 62. 71.]
582 cord_individual_obj[indivial_i,:] = [ 22. 9. 109. 118.]
583 cord_individual_obj[indivial_i,:] = [ 23. 10. 86. 96.]

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unknown

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584     cord_individual_obj[indivial_i, :] = [24. 8. 74. 82.]  
585  
586     min(cord_individual_obj[:, 3]) = 33.0  
587     historl_G_best_iter[iter, 3] = 33.0  
588 Begin iteration:  
589  
590 iter = 18  
591     cord_individual_obj[indivial_i, :] = [ 0. 8. 44. 52.]  
592     cord_individual_obj[indivial_i, :] = [ 1. 7. 61. 68.]  
593     cord_individual_obj[indivial_i, :] = [ 2. 7. 125. 132.]  
594     cord_individual_obj[indivial_i, :] = [ 3. 9. 102. 111.]  
595     cord_individual_obj[indivial_i, :] = [ 4. 7. 78. 85.]  
596     cord_individual_obj[indivial_i, :] = [ 5. 8. 88. 96.]  
597     cord_individual_obj[indivial_i, :] = [ 6. 8. 75. 83.]  
598     cord_individual_obj[indivial_i, :] = [ 7. 6. 27. 33.]  
599     cord_individual_obj[indivial_i, :] = [ 8. 8. 45. 53.]  
600     cord_individual_obj[indivial_i, :] = [ 9. 8. 29. 37.]  
601     cord_individual_obj[indivial_i, :] = [10. 8. 124. 132.]  
602     cord_individual_obj[indivial_i, :] = [11. 9. 65. 74.]  
603     cord_individual_obj[indivial_i, :] = [12. 9. 56. 65.]  
604     cord_individual_obj[indivial_i, :] = [13. 9. 92. 101.]  
605     cord_individual_obj[indivial_i, :] = [14. 7. 48. 55.]  
606     cord_individual_obj[indivial_i, :] = [15. 8. 122. 130.]  
607     cord_individual_obj[indivial_i, :] = [16. 7. 57. 64.]  
608     cord_individual_obj[indivial_i, :] = [17. 10. 68. 78.]  
609     cord_individual_obj[indivial_i, :] = [18. 6. 99. 105.]  
610     cord_individual_obj[indivial_i, :] = [19. 9. 123. 132.]  
611     cord_individual_obj[indivial_i, :] = [20. 9. 63. 72.]  
612     cord_individual_obj[indivial_i, :] = [21. 8. 75. 83.]  
613     cord_individual_obj[indivial_i, :] = [22. 7. 112. 119.]  
614     cord_individual_obj[indivial_i, :] = [23. 8. 136. 144.]  
615     cord_individual_obj[indivial_i, :] = [24. 7. 66. 73.]  
616  
617     min(cord_individual_obj[:, 3]) = 33.0  
618     historl_G_best_iter[iter, 3] = 33.0  
619 Begin iteration:  
620  
621 iter = 19  
622     cord_individual_obj[indivial_i, :] = [ 0. 7. 45. 52.]  
623     cord_individual_obj[indivial_i, :] = [ 1. 9. 55. 64.]  
624     cord_individual_obj[indivial_i, :] = [ 2. 8. 82. 90.]  
625     cord_individual_obj[indivial_i, :] = [ 3. 10. 62. 72.]  
626     cord_individual_obj[indivial_i, :] = [ 4. 10. 63. 73.]  
627     cord_individual_obj[indivial_i, :] = [ 5. 8. 72. 80.]  
628     cord_individual_obj[indivial_i, :] = [ 6. 9. 63. 72.]  
629     cord_individual_obj[indivial_i, :] = [ 7. 9. 92. 101.]  
630     cord_individual_obj[indivial_i, :] = [ 8. 9. 71. 80.]  
631     cord_individual_obj[indivial_i, :] = [ 9. 9. 90. 99.]  
632     cord_individual_obj[indivial_i, :] = [10. 8. 48. 56.]  
633     cord_individual_obj[indivial_i, :] = [11. 8. 36. 44.]  
634     cord_individual_obj[indivial_i, :] = [12. 10. 121. 131.]  
635     cord_individual_obj[indivial_i, :] = [13. 10. 78. 88.]  
636     cord_individual_obj[indivial_i, :] = [14. 8. 96. 104.]  
637     cord_individual_obj[indivial_i, :] = [15. 8. 94. 102.]  
638     cord_individual_obj[indivial_i, :] = [16. 8. 102. 110.]  
639     cord_individual_obj[indivial_i, :] = [17. 10. 59. 69.]  
640     cord_individual_obj[indivial_i, :] = [18. 7. 114. 121.]  
641     cord_individual_obj[indivial_i, :] = [19. 9. 100. 109.]  
642     cord_individual_obj[indivial_i, :] = [20. 9. 117. 126.]  
643     cord_individual_obj[indivial_i, :] = [21. 9. 120. 129.]  
644     cord_individual_obj[indivial_i, :] = [22. 9. 67. 76.]  
645     cord_individual_obj[indivial_i, :] = [23. 6. 27. 33.]  
646     cord_individual_obj[indivial_i, :] = [24. 8. 70. 78.]  
647  
648     min(cord_individual_obj[:, 3]) = 33.0  
649     historl_G_best_iter[iter, 3] = 33.0  
650 Begin iteration:  
651  
652 iter = 20  
653     cord_individual_obj[indivial_i, :] = [ 0. 10. 80. 90.]  
654     cord_individual_obj[indivial_i, :] = [ 1. 8. 74. 82.]  
655     cord_individual_obj[indivial_i, :] = [ 2. 7. 59. 66.]  
656     cord_individual_obj[indivial_i, :] = [ 3. 7. 81. 88.]  
657     cord_individual_obj[indivial_i, :] = [ 4. 9. 74. 83.]  
658     cord_individual_obj[indivial_i, :] = [ 5. 8. 56. 64.]  
659     cord_individual_obj[indivial_i, :] = [ 6. 10. 97. 107.]  
660     cord_individual_obj[indivial_i, :] = [ 7. 9. 108. 117.]  
661     cord_individual_obj[indivial_i, :] = [ 8. 8. 51. 59.]  
662     cord_individual_obj[indivial_i, :] = [ 9. 7. 159. 166.]  
663     cord_individual_obj[indivial_i, :] = [10. 9. 65. 74.]  
664     cord_individual_obj[indivial_i, :] = [11. 7. 64. 71.]  
665     cord_individual_obj[indivial_i, :] = [12. 6. 27. 33.]  
666     cord_individual_obj[indivial_i, :] = [13. 9. 61. 70.]  
667     cord_individual_obj[indivial_i, :] = [14. 8. 106. 114.]
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668 cord_individual_obj[indivial_i,:] = [15. 11. 75. 86.]
669 cord_individual_obj[indivial_i,:] = [16. 8. 38. 46.]
670 cord_individual_obj[indivial_i,:] = [17. 10. 69. 79.]
671 cord_individual_obj[indivial_i,:] = [18. 7. 90. 97.]
672 cord_individual_obj[indivial_i,:] = [19. 8. 78. 86.]
673 cord_individual_obj[indivial_i,:] = [20. 9. 151. 160.]
674 cord_individual_obj[indivial_i,:] = [21. 9. 104. 113.]
675 cord_individual_obj[indivial_i,:] = [22. 7. 28. 35.]
676 cord_individual_obj[indivial_i,:] = [23. 7. 77. 84.]
677 cord_individual_obj[indivial_i,:] = [24. 10. 98. 108.]
678
679 min(cord_individual_obj[:, 3]) = 33.0
680 historl_G_best_iter[iter, 3] = 33.0
681 Iteration calculate over
682
683
684
685
686 All item are in Bin and:
687 Bin area = 1080
688 Real_area = 222.0
689 Proportion_of_area = 0.205555555555555555
690 BEST_CHROM =
691 berth: [17. 11.5 1.5 5. 3.5 11. 24.5 24. 10.5 11. 17.5 3.5]
692 time: [3. 5. 4. 4. 2. 4. 0. 3. 2. 0. 0. 0.]
693 num_QC: [3. 5. 3. 3. 4. 4. 3. 3. 5. 4. 3. 2.]
694 Objective function values and some other indicators:
695 Obj0 = 6.00 Obj1 = 27.00 Obj0 + Obj1 = 33.00
696 Total movement of crane: 0.00
697 Total waiting time in berth position: 27.00
698 Total index of q during berthing: 785.00
699 Specific arrangement for each vessel:
700 V_id: 0 li: 4.0 xi: 17.0 bow of i: 15.0 tail of i: 19.0 gama_i0: 3.0 gama_i1: 4
701 .0 gama_i1 + 1: 5.0 gama_i1 - gama_i0: 1.0 duration_time_i: 2.0 demand_i: 100.0 work
702 load_i: 100.0 work load gap_i: 0
703 V_id: 1 li: 9.0 xi: 11.5 bow of i: 7.0 tail of i: 16.0 gama_i0: 5.0 gama_i1: 6
704 .0 gama_i1 + 1: 7.0 gama_i1 - gama_i0: 1.0 duration_time_i: 2.0 demand_i: 140.0 work
705 load_i: 140.0 work load gap_i: 0
706 V_id: 2 li: 3.0 xi: 1.5 bow of i: 0.0 tail of i: 3.0 gama_i0: 4.0 gama_i1: 6.0
707 .0 gama_i1 + 1: 7.0 gama_i1 - gama_i0: 2.0 duration_time_i: 3.0 demand_i: 140.0 work load_i:
708 140.0 work load gap_i: 0
709 V_id: 3 li: 4.0 xi: 5.0 bow of i: 3.0 tail of i: 7.0 gama_i0: 4.0 gama_i1: 5.0
710 .0 gama_i1 + 1: 6.0 gama_i1 - gama_i0: 1.0 duration_time_i: 2.0 demand_i: 120.0 work load_i:
711 120.0 work load gap_i: 0
712 V_id: 4 li: 7.0 xi: 3.5 bow of i: 0.0 tail of i: 7.0 gama_i0: 2.0 gama_i1: 3.0
713 .0 gama_i1 + 1: 4.0 gama_i1 - gama_i0: 1.0 duration_time_i: 2.0 demand_i: 160.0 work load_i:
714 160.0 work load gap_i: 0
715 V_id: 5 li: 8.0 xi: 11.0 bow of i: 7.0 tail of i: 15.0 gama_i0: 4.0 gama_i1: 4
716 .0 gama_i1 + 1: 5.0 gama_i1 - gama_i0: 0.0 duration_time_i: 1.0 demand_i: 80.0 work
717 load_i: 80.0 work load gap_i: 0
718 V_id: 6 li: 9.0 xi: 24.5 bow of i: 20.0 tail of i: 29.0 gama_i0: 0.0 gama_i1: 2
719 .0 gama_i1 + 1: 3.0 gama_i1 - gama_i0: 2.0 duration_time_i: 3.0 demand_i: 160.0 work
720 load_i: 160.0 work load gap_i: 0
721 V_id: 7 li: 8.0 xi: 24.0 bow of i: 20.0 tail of i: 28.0 gama_i0: 3.0 gama_i1: 5
722 .0 gama_i1 + 1: 6.0 gama_i1 - gama_i0: 2.0 duration_time_i: 3.0 demand_i: 140.0 work
723 load_i: 140.0 work load gap_i: 0
724 V_id: 8 li: 7.0 xi: 10.5 bow of i: 7.0 tail of i: 14.0 gama_i0: 2.0 gama_i1: 3
725 .0 gama_i1 + 1: 4.0 gama_i1 - gama_i0: 1.0 duration_time_i: 2.0 demand_i: 140.0 work
726 load_i: 140.0 work load gap_i: 0
727 V_id: 9 li: 8.0 xi: 11.0 bow of i: 7.0 tail of i: 15.0 gama_i0: 0.0 gama_i1: 1
728 .0 gama_i1 + 1: 2.0 gama_i1 - gama_i0: 1.0 duration_time_i: 2.0 demand_i: 160.0 work
729 load_i: 160.0 work load gap_i: 0
730 V_id: 10 li: 5.0 xi: 17.5 bow of i: 15.0 tail of i: 20.0 gama_i0: 0.0 gama_i1: 1
731 : 2.0 gama_i1 + 1: 3.0 gama_i1 - gama_i0: 2.0 duration_time_i: 3.0 demand_i: 160.0 work
732 load_i: 160.0 work load gap_i: 0
733 V_id: 11 li: 7.0 xi: 3.5 bow of i: 0.0 tail of i: 7.0 gama_i0: 0.0 gama_i1: 1.0
734 80.0 gama_i1 + 1: 2.0 gama_i1 - gama_i0: 1.0 duration_time_i: 2.0 demand_i: 80.0 work load_i:
735 80.0 work load gap_i: 0
736
737 Algorithm finished and the total CPU time: 314 s
738 End
739

```