```
exe" "D:\Python\Pycharm\setroute\PyCharm Community Edition 2021.2.3\plugins\python-ce\helpers\pydev\pydevconsole.py" --mode=client --port=45307
  2
 3
      import sys; print('Python %s on %s' % (sys.version, sys.platform))
      01_My_Python_Code'])
  5
 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
     >>> runfile('E:/1 = 1 = 1/3 = 1 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/4 = 1/
      code/01 My Python Code')
     Backend TkAgg is interactive backend. Turning interactive mode on.
12
13
      This is the R_6_1 _standard_test.xlsx optimization results solved by Gurobi
15
      Set parameter TimeLimit to value 1200
      Set parameter MIPGap to value 0.005
16
17
18
19
20 Problem status = 2, is Optimal
21
      Problem has 2 objectives
23
      Gurobi found 9 solutions
24
          Solution 0:
25
               Obj 0 = 4.0
26
              Obi 1 = 2.0
27
          Solution 1:
28
               Obj 0 = 5.0
29
               Obj 1 = 5.0
30
          Solution 2:
31
              Obj 0 = 6.0
               Obj 1 = 6.0
32
33
          Solution 3:
34
              Obj 0 = 7.0
               35
36
          Solution 4:
37
              Obi 0 = 8.0
              Obj 1 = 9.0
38
39
          Solution 5:
              Obj 0 = 30.0
40
41
              Obj 1 = 66.0
42
          Solution 6:
43
               Obj 0 = 31.0
              Obj 1 = 65.0
44
45
          Solution 7:
46
               Obj 0 = 32.0
               Obj 1 = 97.0
47
48
          Solution 8:
              Obj 0 = 33.0
49
50
               Obj 1 = 94.0
51
52
53
54
      Final solution:
55
          Obj0 = 3.0
          Obj1 = 2.0
56
57
          Total movement of crane: 0.0
58
          Total duration time in berth position: 20.0
59
          Total index of q during berthing: 449.0
60
61
          Specific arrangement:
              V_id: 0 li: 5.0 xi: 21.5 bow of i: 19.0 tail of i: 24.0 gama_i0: 0.0 gama_i1: 4.0 duration_time_i: 4.0 demand_i: 80 work load_i: 80.0
62
63
              V_id: 1 li: 6.0 xi: 16.0 bow of i: 13.0 tail of i: 19.0 gama_i0: 2.0 gama_i1: 4.0 duration_time_i: 2.0 demand_i: 120 work load_i: 120.0
64
              V_id: 2 li: 6.0 xi: 10.0 bow of i: 7.0 tail of i: 13.0 gama_i0: 0.0 gama_i1: 4.0 duration_time_i: 4.0 demand_i: 260 work load_i: 260.0
65
              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: 2.0 duration_time_i: 2.0 demand_i: 80 work load_i: 80.0
              V_id: 4 li: 3.0 xi: 1.5 bow of i: 0.0 tail of i: 3.0 gama_i0: 0.0 gama_i1: 4.0 duration_time_i: 4.0 demand_i: 200 work load i: 200.0
66
67
              V_id: 5 li: 4.0 xi: 5.0 bow of i: 3.0 tail of i: 7.0 gama_i0: 0.0 gama_i1: 4.0 duration_time_i: 4.0 demand_i: 220 work load_i: 220.0
68
69
70
      Finished and CPU Time: 1103.000000
73
74
```