```
exe" "D:\Python\Pycharm\setroute\PyCharm Community Edition 2021.2.3\plugins\python-ce\helpers\pydev\pydevconsole.py" --mode=client --port=50893
 2
 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 0000/1 LW 00002/6 0000/2 python code/
      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_7_9 _standerd_test.xlsx optimization results solved by Gurobi
14
15
      Set parameter TimeLimit to value 1200
     Set parameter MIPGap to value 0.005
16
17
18
19
20
     Problem status = 9, is NOT Optimal
21
     Problem has 2 objectives
     Gurobi found 10 solutions
23
24
         Solution 0:
25
              Obj 0 = 7.0
26
              Obi 1 = 9.0
27
         Solution 1:
28
              Obj 0 = 8.0
29
              Obj 1 = 10.0
30
         Solution 2:
              Obj 0 = 9.0
31
              Obj 1 = 11.0
32
33
         Solution 3:
              Obj 0 = 23.0
34
              Obj 1 = 37.0
35
36
         Solution 4:
37
              Obj 0 = 24.0
              Obj 1 = 39.0
38
39
         Solution 5:
40
              Obj 0 = 25.0
41
              Obj 1 = 39.0
42
         Solution 6:
43
              Obj 0 = 26.0
              Obj 1 = 41.0
44
45
         Solution 7:
              Obj 0 = 27.0
46
              Obj 1 = 41.0
47
48
         Solution 8:
              Obj 0 = 28.0
49
50
              Obj 1 = 42.0
51
         Solution 9:
52
              Obi 0 = 29.0
53
              Obj 1 = 42.0
54
55
56
57
     Final solution:
58
         Obj0 = 6.0
         Obj1 = 9.0
59
60
         Total movement of crane: 0.0
         Total duration time in berth position: 15.0
62
         Total index of q during berthing: 607.0
63
64
         Specific arrangement:
65
             V_id: 0 li. 8.0 xi: 11.0 bow of i: 7.0 tail of i: 15.0 gama_i0: -0.0 gama_i1: 1.0 duration_time_i: 1.0 demand_i: 120 work load_i: 120.0
             Vid: 1 li: 7.0 xi: 19.5 bow of i: 16.0 tail of i: 23.0 gama_i0: -0.0 gama_i1: 2.0 duration_time_i: 2.0 demand_i: 160 work load_i: 160.0
66
67
             V_id: 2 li: 6.0 xi: 19.5 bow of i: 16.5 tail of i: 22.5 gama_i0: 2.0 gama_i1: 5.0 duration_time_i: 3.0 demand_i: 140 work load_i: 140.0
68
             V_id: 3 li: 3.0 xi: 10.5 bow of i: 9.0 tail of i: 12.0 gama_i0: 1.0 gama_i1: 6.0 duration_time_i: 5.0 demand_i: 100 work load_i: 100.0
             V_id: 4 li: 6.0 xi: 3.0 bow of i: 0.0 tail of i: 6.0 gama_i0: 1.0 gama_i1: 2.0 duration_time_i: 1.0 demand_i: 120 work load_i: 120.0
69
70
             V_id: 5 li: 7.0 xi: 3.5 bow of i: 0.0 tail of i: 7.0 gama_i0: -0.0 gama_i1: 1.0 duration_time_i: 1.0 demand_i: 120 work load_i: 120.0
             V id: 6 li: 8.0 xi: 19.5 bow of i: 15.5 tail of i: 23.5 gama i0: 5.0 gama i1: 7.0 duration time i: 2.0 demand i: 140 work load i: 140.0
71
74
     Finished and CPU Time: 1243.000000
76
77
78
```