```
exe" "D:\Python\Pycharm\setroute\PyCharm Community Edition 2021.2.3\plugins\python-ce\helpers\pydev\pydevconsole.py" --mode=client --port=20398
  2
        import sys; print
('Python %s on %s' % (sys.version, sys.platform))
  3
        01_My_Python_Code', 'E:/1 \\ \text{0} \\ \
         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_2 _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 10 solutions
24
              Solution 0:
25
                     Obj 0 = 4.0
26
                    Obi 1 = 4.0
27
              Solution 1:
28
                     Obj 0 = 5.0
29
                     Obj 1 = 5.0
30
              Solution 2:
                    Obj 0 = 6.0
Obj 1 = 6.0
31
32
33
              Solution 3:
34
                    Obj 0 = 7.0
                     Obj 1 = 7.0
35
36
              Solution 4:
37
                    Obj 0 = 8.0
                    Obj 1 = 11.0
38
39
              Solution 5:
40
                    Obj 0 = 9.0
41
                    Obj 1 = 12.0
42
              Solution 6:
43
                     Obj 0 = 10.0
                    Obj 1 = 14.0
44
45
              Solution 7:
46
                     Obj 0 = 11.0
                     Obj 1 = 17.0
47
48
              Solution 8:
49
                     Obj 0 = 13.0
50
                     Obj 1 = 16.0
51
              Solution 9:
52
                    Obi 0 = 15.0
53
                    Obj 1 = 17.0
54
55
56
57
        Final solution:
58
              Obj0 = 3.0
              Obj1 = 4.0
59
60
              Total movement of crane: 0.0
              Total duration time in berth position: 14.0
62
              Total index of q during berthing: 456.0
63
64
              Specific arrangement:
65
                   V_id: 0 li: 5.0 xi: 6.0 bow of i: 3.5 tail of i: 8.5 gama_i0: 0.0 gama_i1: 2.0 duration_time_i: 2.0 demand_i: 140 work load_i: 140.0
                   Vid: 1 li: 6.0 xi: 21.3 bow of i: 18.3 tail of i: 24.3 gama_i0: 0.0 gama_i1: 3.0 duration_time_i: 3.0 demand_i: 120 work load_i: 120.0
66
                   V_id: 2 li: 3.0 xi: 1.5 bow of i: 0.0 tail of i: 3.0 gama_i0: 2.0 gama_i1: 4.0 duration_time_i: 2.0 demand_i: 120 work load_i: 120.0
67
68
                   V_id: 3 li: 3.0 xi: 1.5 bow of i: 0.0 tail of i: 3.0 gama_i0: 0.0 gama_i1: 2.0 duration_time_i: 2.0 demand_i: 120 work load_i: 120.0
                   V_id: 4 li: 8.0 xi: 7.3 bow of i: 3.3 tail of i: 11.3 gama_i0: 2.0 gama_i1: 4.0 duration_time_i: 2.0 demand_i: 200 work load_i: 200.0
69
                   Vid: 5 li: 7.0 xi: 14.8 bow of i: 11.3 tail of i: 18.3 gama_i0: 0.0 gama_i1: 3.0 duration_time_i: 3.0 demand_i: 280 work load_i: 280.0
70
71
73
        Finished and CPU Time: 683.000000
74
75
76
77
```