```
 1  "E:\1 □□□□\3 □□□□□\1 □□□□□□□\1 □□□□□□□□□\1_□□□□□□_□□□□\1_LW_□□□□2\6 □□□□\2 python code\01_My_Python_Code\Scripts\python.
    exe" "D:\Python\Pycharm\setroute\PyCharm Community Edition 2021.2.3\plugins\python-ce\helpers\pydev\pydevconsole.py" --mode=client --port=5655
 2
 3  import sys; print('Python %s on %s' % (sys.version, sys.platform))
 4  sys.path.extend(['E:\\1 □□□□\3 □□□□□\\1 □□□□□□□\\1 □□□□□□□□□\\1_□□□□□□_□□□□\\1_LW_□□□□2\\6 □□□□\\2 python code\\
    01_My_Python_Code', 'E:/1 □□□□/3 □□□□□/1 □□□□□□□/1 □□□□□□□□□/1_□□□□□□_□□□□/1_LW_□□□□2/6 □□□□/2 python code/
    01_My_Python_Code'])
 5
 6  PyDev console: starting.
 7
 8  Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
 9  >>> runfile('E:/1 □□□□/3 □□□□□/1 □□□□□□□/1 □□□□□□□□□/1_□□□□□□_□□□□/1_LW_□□□□2/6 □□□□/2 python code/01_My_Python_Code/
    main_BACASP_official_gurobi.py', wdir='E:/1 □□□□/3 □□□□□/1 □□□□□□□/1 □□□□□□□□□/1_□□□□□□_□□□□/1_LW_□□□□2/6 □□□□/2 python
    code/01_My_Python_Code')
10  Backend TkAgg is interactive backend. Turning interactive mode on.
11  Start.....
12
13  This is the  R_5_1 _standerd_test.xlsx  optimization results solved by Gurobi
14
15  Set parameter TimeLimit to value 1200
16  Set parameter MIPGap to value 0.005
17
18
19
20  Problem status =  2 , is Optimal
21
22  Problem has 2  objectives
23  Gurobi found  10  solutions
24     Solution 0 :
25        Obj 0  = 3.0
26        Obj 1  = 1.0
27     Solution 1 :
28        Obj 0  = 3.0
29        Obj 1  = 2.0
30     Solution 2 :
31        Obj 0  = 3.0
32        Obj 1  = 3.0
33     Solution 3 :
34        Obj 0  = 4.0
35        Obj 1  = 3.0
36     Solution 4 :
37        Obj 0  = 6.0
38        Obj 1  = 3.0
39     Solution 5 :
40        Obj 0  = 7.0
41        Obj 1  = 8.0
42     Solution 6 :
43        Obj 0  = 8.0
44        Obj 1  = 8.0
45     Solution 7 :
46        Obj 0  = 9.0
47        Obj 1  = 9.0
48     Solution 8 :
49        Obj 0  = 35.0
50        Obj 1  = 13.0
51     Solution 9 :
52        Obj 0  = 36.0
53        Obj 1  = 13.0
54
55
56
57  Final solution:
58     Obj0 = 2.0
59     Obj1 = 1.0
60     Total movement of crane:  0.0
61     Total duration time in berth position:  10.0
62     Total index of q during berthing:  287.0
63
64     Specific arrangement:
65        V_id:  0   li: 5.0   xi: 10.5   bow of i: 8.0    tail of i: 13.0   gama_i0: -0.0  gama_i1:  3.0  duration_time_i:  3.0  demand_i:  100   work load_i:  100.0
66        V_id:  1   li: 8.0   xi: 19.7   bow of i: 15.7  tail of i: 23.7   gama_i0: -0.0  gama_i1:  1.0  duration_time_i:  1.0  demand_i:  80  work load_i:  80.0
67        V_id:  2   li: 8.0   xi: 18.0   bow of i: 14.0  tail of i: 22.0   gama_i0: 1.0   gama_i1:  3.0  duration_time_i:  2.0  demand_i:  120   work load_i:  120.0
68        V_id:  3   li: 4.0   xi: 2.0   bow of i: 0.0    tail of i: 4.0  gama_i0: -0.0  gama_i1:  2.0  duration_time_i:  2.0  demand_i:  160   work load_i:  160.0
69        V_id:  4   li: 4.0   xi: 6.0  bow of i: 4.0    tail of i: 8.0  gama_i0: -0.0  gama_i1:  2.0  duration_time_i:  2.0  demand_i:  80  work load_i:  80.0
70
71
72  Finished and CPU Time: 190.000000
73
74
75
76
```