```
 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=9239
 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_6 _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  8  solutions
24     Solution 0 :
25        Obj 0  = 2.0
26        Obj 1  = 1.0
27     Solution 1 :
28        Obj 0  = 3.0
29        Obj 1  = 3.0
30     Solution 2 :
31        Obj 0  = 4.0
32        Obj 1  = 4.0
33     Solution 3 :
34        Obj 0  = 6.0
35        Obj 1  = 6.0
36     Solution 4 :
37        Obj 0  = 9.0
38        Obj 1  = 16.0
39     Solution 5 :
40        Obj 0  = 17.0
41        Obj 1  = 26.0
42     Solution 6 :
43        Obj 0  = 35.0
44        Obj 1  = 26.0
45     Solution 7 :
46        Obj 0  = 36.0
47        Obj 1  = 26.0
48
49
50
51  Final solution:
52     Obj0 =  1.0
53     Obj1 =  1.0
54     Total movement of crane:  0.0
55     Total duration time in berth position:  7.0
56     Total index of q during berthing:  239.0
57
58     Specific arrangement:
59       V_id: 0  li: 5.0  xi: 6.5  bow of i: 4.0   tail of i: 9.0 gama_i0: -0.0 gama_i1: 2.0 duration_time_i: 2.0 demand_i: 160  work load_i: 160.0
60       V_id: 1  li: 6.0  xi: 12.0  bow of i: 9.0   tail of i: 15.0  gama_i0: -0.0 gama_i1: 1.0 duration_time_i: 1.0 demand_i: 60 work load_i: 60.0
61       V_id: 2  li: 8.0  xi: 19.0  bow of i: 15.0 tail of i: 23.0  gama_i0: -0.0 gama_i1: 1.0 duration_time_i: 1.0 demand_i: 80 work load_i: 80.0
62       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: 120  work load_i: 120.0
63       V_id: 4  li: 8.0  xi: 19.0   bow of i: 15.0 tail of i: 23.0  gama_i0: 1.0 gama_i1: 2.0 duration_time_i: 1.0 demand_i: 60 work load_i: 60.0
64
65
66  Finished and CPU Time: 167.000000
67
68
69
70
```