```
 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=18046
 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_8_7 _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 =  9 , is NOT Optimal
21
22  Problem has 2  objectives
23  Gurobi found  6  solutions
24     Solution 0 :
25        Obj 0  =  4.0
26        Obj 1  =  6.0
27     Solution 1 :
28        Obj 0  =  4.0
29        Obj 1  =  7.0
30     Solution 2 :
31        Obj 0  =  4.0
32        Obj 1  =  8.0
33     Solution 3 :
34        Obj 0  =  5.0
35        Obj 1  =  8.0
36     Solution 4 :
37        Obj 0  =  6.0
38        Obj 1  =  8.0
39     Solution 5 :
40        Obj 0  =  7.0
41        Obj 1  =  9.0
42
43
44
45  Final solution:
46     Obj0 =  3.0
47     Obj1 =  6.0
48     Total movement of crane:  0.0
49     Total duration time in berth position:  17.0
50     Total index of q during berthing:  479.0
51
52     Specific arrangement:
53        V_id:  0  li: 7.0  xi: 13.9   bow of i: 10.4  tail of i: 17.4   gama_i0: 1.0   gama_i1: 3.0  duration_time_i:  2.0  demand_i:  160   work load_i:  160.0
54        V_id:  1  li: 3.0  xi: 4.5   bow of i: 3.0   tail of i: 6.0  gama_i0: -0.0  gama_i1:  3.0  duration_time_i:  3.0  demand_i:  120   work load_i:  120.0
55        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
56        V_id:  3  li: 9.0  xi: 7.5  bow of i: 3.0   tail of i: 12.0   gama_i0: 3.0   gama_i1: 4.0  duration_time_i:  1.0  demand_i:  140   work load_i:  140.0
57        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:  2.0  duration_time_i:  2.0  demand_i:  100   work load_i:  100.0
58        V_id:  5  li: 4.0  xi: 8.1  bow of i: 6.1   tail of i: 10.1   gama_i0: 0.0   gama_i1: 2.0  duration_time_i:  2.0  demand_i:  100   work load_i:  100.0
59        V_id:  6  li: 7.0  xi: 21.8   bow of i: 18.3  tail of i: 25.3   gama_i0: 0.0   gama_i1: 4.0  duration_time_i:  4.0  demand_i:  140   work load_i:  140.0
60        V_id:  7  li: 8.0  xi: 14.1   bow of i: 10.1  tail of i: 18.1   gama_i0: 0.0   gama_i1: 1.0  duration_time_i:  1.0  demand_i:  120   work load_i:  120.0
61
62
63  Finished and CPU Time: 1251.000000
64
65
66
67
```