```
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=10866
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_6_5 _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  6  solutions
24    Solution 0 :
25       Obj 0  =  3.0
26       Obj 1  =  2.0
27    Solution 1 :
28       Obj 0  =  3.0
29       Obj 1  =  3.0
30    Solution 2 :
31       Obj 0  =  3.0
32       Obj 1  =  4.0
33    Solution 3 :
34       Obj 0  =  4.0
35       Obj 1  =  6.0
36    Solution 4 :
37       Obj 0  =  5.0
38       Obj 1  =  6.0
39    Solution 5 :
40       Obj 0  =  36.0
41       Obj 1  =  177.08695652173992
42
43
44
45 Final solution:
46    Obj0 =  2.0
47    Obj1 =  2.0
48    Total movement of crane:  0.0
49    Total duration time in berth position:  12.0
50    Total index of q during berthing:  457.0
51
52    Specific arrangement:
53     V_id:  0  li: 8.0  xi: 21.4   bow of i: 17.4  tail of i: 25.4   gama_i0: -0.0  gama_i1:  1.0  duration_time_i:  1.0  demand_i:  60 work load_i:  60.0
54     V_id:  1  li: 9.0  xi: 12.9   bow of i: 8.4   tail of i: 17.4   gama_i0: -0.0  gama_i1:  1.0  duration_time_i:  1.0  demand_i:  140   work load_i:  140.0
55     V_id:  2  li: 3.0  xi: 6.5  bow of i: 5.0   tail of i: 8.0  gama_i0: -0.0  gama_i1:  3.0  duration_time_i:  3.0  demand_i:  100   work load_i:  100.0
56     V_id:  3  li: 5.0  xi: 2.5  bow of i: 0.0   tail of i: 5.0  gama_i0: -0.0  gama_i1:  3.0  duration_time_i:  3.0  demand_i:  140   work load_i:  140.0
57     V_id:  4  li: 6.0  xi: 13.0   bow of i: 10.0  tail of i: 16.0   gama_i0: 1.0   gama_i1:  3.0  duration_time_i:  2.0  demand_i:  160   work load_i:  160.0
58     V_id:  5  li: 8.0  xi: 20.5   bow of i: 16.5  tail of i: 24.5   gama_i0: 1.0   gama_i1:  3.0  duration_time_i:  2.0  demand_i:  140   work load_i:  140.0
59
60
61 Finished and CPU Time: 567.000000
62
63
64
65
```