```
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=10703
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_4_9 _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  5  solutions
24    Solution 0 :
25       Obj 0  = 2.0
26       Obj 1  = 0.0
27    Solution 1 :
28       Obj 0  = 2.0
29       Obj 1  = 1.0
30    Solution 2 :
31       Obj 0  = 3.0
32       Obj 1  = 3.0
33    Solution 3 :
34       Obj 0  = 4.0
35       Obj 1  = 1.0
36    Solution 4 :
37       Obj 0  = 8.0
38       Obj 1  = 13.0
39
40
41
42 Final solution:
43    Obj0 =  1.0
44    Obj1 =  0.0
45    Total movement of crane:  0.0
46    Total duration time in berth position:  8.0
47    Total index of q during berthing:  209.0
48
49    Specific arrangement:
50      V_id:  0   li: 9.0   xi: 20.5   bow of i: 16.0  tail of i: 25.0   gama_i0: 0.0   gama_i1: 2.0  duration_time_i:  2.0  demand_i:  100   work load_i:  100.0
51      V_id:  1   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
52      V_id:  2   li: 5.0   xi: 13.5   bow of i: 11.0  tail of i: 16.0   gama_i0: 0.0   gama_i1: 2.0  duration_time_i:  2.0  demand_i:  100   work load_i:  100.0
53      V_id:  3   li: 8.0   xi: 7.0  bow of i: 3.0    tail of i: 11.0   gama_i0: 0.0   gama_i1: 2.0  duration_time_i:  2.0  demand_i:  100   work load_i:  100.0
54
55
56 Finished and CPU Time: 67.000000
57
58
59
60
```