```
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=9309
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_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 =  2 , is Optimal
21
22 Problem has 2  objectives
23 Gurobi found  10  solutions
24    Solution 0 :
25        Obj 0  = 4.0
26        Obj 1  = 2.0
27    Solution 1 :
28        Obj 0  = 4.0
29        Obj 1  = 3.0
30    Solution 2 :
31        Obj 0  = 4.0
32        Obj 1  = 4.0
33    Solution 3 :
34        Obj 0  = 4.0
35        Obj 1  = 5.0
36    Solution 4 :
37        Obj 0  = 4.0
38        Obj 1  = 7.0
39    Solution 5 :
40        Obj 0  = 5.0
41        Obj 1  = 6.0
42    Solution 6 :
43        Obj 0  = 6.0
44        Obj 1  = 9.0
45    Solution 7 :
46        Obj 0  = 7.0
47        Obj 1  = 12.0
48    Solution 8 :
49        Obj 0  = 8.0
50        Obj 1  = 11.0
51    Solution 9 :
52        Obj 0  = 12.0
53        Obj 1  = 12.0
54
55
56
57 Final solution:
58    Obj0 =  3.0
59    Obj1 =  2.0
60    Total movement of crane:  0.0
61    Total duration time in berth position:  12.0
62    Total index of q during berthing:  380.0
63
64    Specific arrangement:
65      V_id:  0  li: 8.0  xi: 12.0  bow of i: 8.0   tail of i: 16.0  gama_i0: 1.0  gama_i1: 4.0  duration_time_i: 3.0  demand_i: 280   work load_i: 280.0
66      V_id:  1  li: 8.0  xi: 4.0  bow of i: 0.0   tail of i: 8.0  gama_i0: 1.0  gama_i1: 4.0  duration_time_i: 3.0  demand_i: 200   work load_i: 200.0
67      V_id:  2  li: 6.0  xi: 3.0  bow of i: 0.0   tail of i: 6.0  gama_i0: -0.0  gama_i1: 1.0  duration_time_i: 1.0  demand_i: 120   work load_i: 120.0
68      V_id:  3  li: 9.0  xi: 11.5   bow of i: 7.0   tail of i: 16.0  gama_i0: -0.0  gama_i1: 1.0  duration_time_i: 1.0  demand_i: 100   work load_i: 100.0
69      V_id:  4  li: 7.0  xi: 19.8   bow of i: 16.3  tail of i: 23.3   gama_i0: -0.0  gama_i1: 4.0  duration_time_i: 4.0  demand_i: 80  work load_i: 80.0
70
71
72 Finished and CPU Time: 416.000000
73
74
75
76
```