

```
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=43294
2
3 import sys; print('Python %s on %s' % (sys.version, sys.platform))
4 sys.path.extend(['E:\1 \ \ \ \ \3 \ \ \ \ \ \1 \ \ \ \ \ \ \1 \ \ \ \ \ \ \1 \_LW_ \ \ \ \ \2\6 \ \ \ \ \2 python code\
   01_My_Python_Code', 'E:/1 \ \ \ \ \3 \ \ \ \ \ /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 \_LW_ \ \ \ \ \2\6 \ \ \ \ \2 python code/01_My_Python_Code/
   main_BACASP_official_gurobi.py', wdir='E:/1 \ \ \ \ \3 \ \ \ \ \ /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_2_3_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 4 solutions
24 Solution 0 :
25     Obj 0 = 2.0
26     Obj 1 = 0.0
27 Solution 1 :
28     Obj 0 = 3.0
29     Obj 1 = 1.0
30 Solution 2 :
31     Obj 0 = 6.0
32     Obj 1 = 0.0
33 Solution 3 :
34     Obj 0 = 8.0
35     Obj 1 = 0.0
36
37
38
39 Final solution:
40     Obj0 = 1.0
41     Obj1 = 0.0
42     Total movement of crane: 0.0
43     Total duration time in berth position: 4.0
44     Total index of q during berthing: 100.0
45
46 Specific arrangement:
47     V_id: 0 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
48     V_id: 1 li: 7.0 xi: 10.5 bow of i: 7.0 tail of i: 14.0 gama_i0: -0.0 gama_i1: 2.0 duration_time_i: 2.0 demand_i: 160 work load_i: 160.0
49
50
51 Finished and CPU Time: 19.000000
52
53
54
55
```