

```
1 "E:\1_000003_000001_000000\1_000000_0000\1_LW_00002\6_0000\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=43386
2
3 import sys; print('Python %s on %s' % (sys.version, sys.platform))
4 sys.path.extend(['E:\1_000003_000001_000000\1_000000_0000\1_LW_00002\6_0000\2 python code\
   01_My_Python_Code', 'E:\1_000003_000001_000000\1_000000_0000\1_LW_00002\6_0000\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_000003_000001_000000\1_000000_0000\1_LW_00002\6_0000\2 python code\01_My_Python_Code\
   main_BACASP_official_gurobi.py', wdir='E:\1_000003_000001_000000\1_000000_0000\1_LW_00002\6_0000\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_4_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 = 3.0
29     Obj 1 = 0.0
30 Solution 2 :
31     Obj 0 = 4.0
32     Obj 1 = 0.0
33 Solution 3 :
34     Obj 0 = 7.0
35     Obj 1 = 0.0
36 Solution 4 :
37     Obj 0 = 8.0
38     Obj 1 = 0.0
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: 4.0
47     Total index of q during berthing: 74.0
48
49 Specific arrangement:
50     V_id: 0  li: 5.0  xi: 8.5  bow of i: 6.0  tail of i: 11.0  gama_i0: -0.0  gama_i1: 2.0  duration_time_i: 2.0  demand_i: 160  work load_i: 160.0
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
53
54 Finished and CPU Time: 19.000000
55
56
57
58
```