```
D:\Python\Python\setroute\python.exe "D:\Python\Pycharm\setroute\PyCharm Community Edition 2021.2.3\plugins\python-ce\helpers\pydev\pydevconsole.py" --
        mode=client --port=8064
  2
  3
       import sys; print('Python %s on %s' % (sys.version, sys.platform))
       6
       PyDev console: starting.
  8 Python 3.9.7 (tags/v3.9.7:1016ef3, Aug 30 2021, 20:19:38) [MSC v.1929 64 bit (AMD64)] on win32
       main_ECCG_deterministic.py', wdir='E:/1 0000/3 00000/1 0000000/1 0000000/1 000000/1 LW_00001/4 0000/3 python_code/
10 Backend TkAgg is interactive backend. Turning interactive mode on.
11
        Waiting 5s.....
       Optimize the ./R 7 8.xlsx instance by ECCG for deterministic model
13
14
15
       Set parameter MIPGap to value 0.01
                 Master protblem status = 2, is Optimal and MP obj = 331.0
16
                                                     ub = inf
       The initial lb = -inf
17
18
19
        The current iteration cnt = 0
20
                 The SP model was solved Optimal 2 and SPObj = 331.0
                 Deterministic Sub problem Status= 2, is Optimal
21
22
                 Master protblem status = 2, is Optimal
                                                              ub = 574.0
                  MPObj = 574.0 MP_delete_Hua_Obj = 331.0
24
                                                                                                                      Hua = 243.0
                                                                                                                                                      SPObi = 331.0
                                                                                                                                                                                       MP SP Obj = 243.0
                                                                                                                                                                                                                                              Deter SP Obj = 243.0
25
26
       ub - 1b = 0.0
27
28 Iteration cycle stopped by termination criterion 1: Because ub - lb \le eps, the iteration stop, and cnt = 0
29
             i: 0.0 1_i: 6.0 p_i: 21.0 aI_i: 24.0
                                                                                               sol_a_i: 24.0 sol_g_i: 0.0 d_i: 33.0 sol_taoi: 24.0 sol_deltai: 33.0 sol_deltai - sol_taoi: 9.0 sol_taoP
           24.0 sol_deltaP: 26.0 sol_deltaP - sol_taoP: 2.0 cl_i: 2148120.0 sol_c_i: 2148120.0 sol_gp_i: 0.0 total work: 2240974.0 wasted work: 0.
        35219462608669266
          i: 1.0 1_i: 5.0 p_i: 16.0 aI_i: 28.0 sol_a_i: 28.0 sol_g_i: 0.0 d_i: 41.0 sol_taoi: 28.0 sol_deltai: 41.0 sol_deltai - sol_taoi: 13.0 sol_taoi: 13.0 sol_taoi: 13.0 sol_taoi: 13.0 sol_taoi: 13.0 sol_
                                                                                            sol_a_i: 28.0 sol_g_i: 0.0 d_i: 41.0 sol_taoi: 28.0 sol_deltai: 41.0 sol_deltai - sol_taoi: 13.0 sol_taoP
30
        3347809925505607
          i: 2.0 l_i: 4.0 p_i: 12.0 al_i: 24.0 sol_a_i: 24.0 sol_g_i: 0.0 d_i: 44.0 sol_taoi: 24.0 sol_deltai: 44.0 sol_deltai: 44.0 sol_deltai: 44.0 sol_deltai: 44.0 sol_deltai: 44.0 sol_deltai: 20.0 sol_deltai: 28.0 sol_deltai: 48.0 sol_deltai: 5157909.0 sol_e_i: 5157909.0 sol_gp_i: 0.0 total work: 5272880.0 wasted work: 0.0 sol_deltai: 48.0 sol_deltai
                                                                                               sol_a_i: 24.0 sol_g_i: 0.0 d_i: 44.0 sol_taoi: 24.0 sol_deltai: 44.0 sol_deltai - sol_taoi: 20.0 sol_taoP
        43608426514542337
             i: 3.0 l_i: 7.0 p_i: 0.0 al_i: 48.0 sol_a_i: 48.0 sol_g_i: 0.0 d_i: 67.0 sol_taoi: 48.0 sol_deltai: 67.0 sol_deltai: 67.0 sol_deltai - sol_taoi: 19.0 sol_c_i: 4844899.0 sol_c_i: 4844899.0 sol_g_i: 0.0 total work: 5272880.0 wasted work: 1.
32
                                                                                       sol a i: 48.0 sol g i: 0.0 d i: 67.0 sol taoi: 48.0 sol deltai: 67.0 sol deltai - sol taoi: 19.0 sol taoP:
        6233291863270167
                                                                                               sol a i: 44.0 sol g i: 0.0 d i: 56.0 sol taoi: 44.0 sol deltai: 54.0 sol deltai - sol taoi: 10.0 sol taoP
             i: 4.0 1_i: 7.0 p_i: 16.0 aI_i: 44.0
           44.0 sol_deltaP: 46.0 sol_deltaP - sol_taoP: 2.0 cl_i: 2392061.0 sol_c_i: 2392061.0 sol_gp_i: 0.0 total work: 2636440.0 wasted work: 0.
        9269279786378601
             i: 5.0 1_i: 5.0 p_i: 7.0 aI_i: 28.0
                                                                                          sol_a_i: 28.0 sol_g_i: 0.0 d_i: 60.0 sol_taoi: 28.0 sol_deltai: 53.0 sol_deltai - sol_taoi: 25.0 sol_taoP:
                     sol deltaP: 39.0 sol_deltaP - sol_taoP: 11.0 cl_i: 6496954.0 sol_c_i: 6496954.0 sol_gp_i: 0.0 total work: 6591100.0 wasted work: 0.
        3570951737949659
                                                                                           sol a i: 13.0 sol g i: 0.0 d i: 47.0 sol taoi: 13.0 sol deltai: 39.0 sol deltai - sol taoi: 26.0 sol taoP:
35
             i: 6.0 1 i: 5.0 p i: 0.0 aI i: 13.0
        13.0 sol_deltaP: 20.0 sol_deltaP - sol_taoP: 7.0 cl_i: 6745562.0 sol_c_i: 6745562.0 sol_gp_i: 0.0 total work: 7382032.0 wasted work: 2.
        41412662529775
       Time: 42.000000
37
38
39
40
```