Results Using cplex_options

Branchdir

ampl: option cplex_options **'branchdir=-1'**;

ampl: solve;

CPLEX 12.8.0.0: branchdir=-1

CPLEX 12.8.0.0: optimal integer solution; objective 4

300 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.313

ampl: option cplex_options **'branchdir=0'**;

ampl: solve;

CPLEX 12.8.0.0: branchdir=0

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.219

ampl: option cplex_options **'branchdir=1'**;

ampl: solve;

CPLEX 12.8.0.0: branchdir=1

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

solve_elapsed_time = 0.235

nodeselect

ampl: option cplex_options **'nodeselect=0';**

ampl: solve;

CPLEX 12.8.0.0: nodeselect=0

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.265

ampl: option cplex_options **'nodeselect=1';**

ampl: solve;

CPLEX 12.8.0.0: nodeselect=1

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.234

ampl: option cplex_options **'nodeselect=2';**

ampl: solve;

CPLEX 12.8.0.0: nodeselect=2

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.219

ampl: option cplex_options **'nodeselect=3';**

ampl: solve;

CPLEX 12.8.0.0: nodeselect=3

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.25

fpheur

ampl: option cplex_options **'fpheur=-1';**

ampl: solve;

CPLEX 12.8.0.0: fpheur=-1

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.265

ampl: option cplex_options **'fpheur=0';**

ampl: solve;

CPLEX 12.8.0.0: fpheur=0

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.265

ampl: option cplex_options **'fpheur=1';**

ampl: solve;

CPLEX 12.8.0.0: fpheur=1

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.343

ampl: option cplex_options **'fpheur=2';**

ampl: solve;

CPLEX 12.8.0.0: fpheur=2

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.312

rinshuer

ampl: option cplex_options **'rinsheur=-1';**

ampl: solve;

CPLEX 12.8.0.0: rinsheur=-1

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.281

ampl: option cplex_options **'rinsheur=0';**

ampl: solve;

CPLEX 12.8.0.0: rinsheur=0

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.281

ampl: option cplex_options **'rinsheur=2';**

ampl: solve;

CPLEX 12.8.0.0: rinsheur=2

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.313

cuts

ampl: option cplex_options **'fraccuts=-1 disjcuts=-1 splitcuts=-1 zerohalfcuts=-1';**

ampl: solve;

CPLEX 12.8.0.0: fraccuts=-1

disjcuts=-1

splitcuts=-1

zerohalfcuts=-1

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.297

ampl: option cplex_options **'fraccuts=2 disjcuts=3 splitcuts=3 zerohalfcuts=2';**

ampl: solve;

CPLEX 12.8.0.0: fraccuts=2

disjcuts=3

splitcuts=3

zerohalfcuts=2

CPLEX 12.8.0.0: optimal integer solution; objective 4

156 MIP simplex iterations

0 branch-and-bound nodes

ampl: display _solve_elapsed_time;

_solve_elapsed_time = 0.297