```
**************************************************************

    NEOS Server Version 5.0
    Job#    : 6554099
    Password : thNyMOrl
    User     : None
    Solver   : slp:sd:SMPS
    Start    : 2019-02-04 16:22:07
    End      : 2019-02-04 16:22:26
    Host     : thales.la.asu.edu

    Disclaimer:

    This information is provided without any express or
    implied warranty. In particular, there is no warranty
    of any kind concerning the fitness of this
    information   for any particular purpose.
**************************************************************

Beginning SD...

Please enter the name of the problem files (eg. `exags1p'): Reading problems from ./sdinput/prob/prob.cor
the filename is : ./sdinput/prob/prob.cor
Specified objective sense: MINIMIZE
Selected objective  name:  obj
Selected RHS        name:  RHS
Selected bound      name:  BOUND
finished loading core file via external Solver.
Vector x_k from the mean problem :: 11.00000000000000000000 10.00000000000000000000 0.00000000000000000000 0.00000000000000000000 0.000000
Objective from the mean problem : 0.000000
Tried aggregator 1 time.
LP Presolve eliminated 8 rows and 13 columns.
All rows and columns eliminated.
Presolve time = 0.00 sec. (0.00 ticks)
lower_bound is 0.000000
Eta0 is 0.000000

num_rv = 7;
num_cipher = 1;

mast_rows:1           mast_cols:3
sub_rows:7            sub_cols:10          rv:7
rv_rows:7             rv_cols:2            rv_R:3           rv_T:4
nz_cols:3             max_cuts:6           min_iter:158
MIN_ITER: 158

Notation:
'+':new incumbent solution found.
'<':in-sample test fails.
'>':in-sample test succeeds.


-------------------- Replication No.0 --------------------

Iteration 0   :++++++++++++
Iteration 100 :++++++++++++++++++++++++++++
Iteration 200 :+++>

-------------------- Replication No.1 --------------------

Iteration 0   :++++++++
Iteration 100 :++++++++++++++++++++++++++++++++
Iteration 200 :+++++++++>

-------------------- Replication No.2 --------------------

Iteration 0   :+++++++++++
Iteration 100 :++++++++++++++++++
Iteration 200 :++++++++>

-------------------- Replication No.3 --------------------

Iteration 0   :+++++++++++++
Iteration 100 :++++++
Iteration 200 :+++++++>

-------------------- Replication No.4 --------------------

Iteration 0   :+++++++++++
Iteration 100 :+++++++++++++++++++++++++
Iteration 200 :++++>

-------------------- Replication No.5 --------------------

Iteration 0   :+++++++++++
Iteration 100 :++++++++++++++
Iteration 200 :+++++++++++++>
```

```
------------------- Replication No.6 --------------------

Iteration 0   :++++++++++
Iteration 100 :+++++++++++++++++++++++++++++++++++++++++
Iteration 200 :+++++++>

------------------- Replication No.7 --------------------

Iteration 0   :++++++++++++
Iteration 100 :++
Iteration 200 :>

------------------- Replication No.8 --------------------

Iteration 0   :++++++++++++
Iteration 100 :++++
Iteration 200 :++>

------------------- Replication No.9 --------------------

Iteration 0   :++++++++++++
Iteration 100 :++++++++++++++++++++++++++++
Iteration 200 :+++++++++++++++++++++++++++++++>

------------------- Replication No.10 --------------------

Iteration 0   :++++++++
Iteration 100 :+++
Iteration 200 :+++>

------------------- Replication No.11 --------------------

Iteration 0   :+++++++++++
Iteration 100 :++
Iteration 200 :+++++++++++++++++++++++++++++++++>

------------------- Replication No.12 --------------------

Iteration 0   :++++++++++
Iteration 100 :++++++++++++++++++
Iteration 200 :++++++++++++++++++++++++++++++++++++++++++++++++>

------------------- Replication No.13 --------------------

Iteration 0   :+++++++++++++
Iteration 100 :
Iteration 200 :++>

------------------- Replication No.14 --------------------

Iteration 0   :+++++++++++
Iteration 100 :+++++++++++++++++++++
Iteration 200 :++++++>

------------------- Replication No.15 --------------------

Iteration 0   :+++++++
Iteration 100 :+++
Iteration 200 :+++++++++++>

------------------- Replication No.16 --------------------

Iteration 0   :++++++++++
Iteration 100 :+
Iteration 200 :>

------------------- Replication No.17 --------------------

Iteration 0   :++++++++++++++
Iteration 100 :+++++++++++++++++++++++++++
Iteration 200 :++++++++++++++++++++++++++++++>

------------------- Replication No.18 --------------------

Iteration 0   :+++++++++++++++
Iteration 100 :++
Iteration 200 :+++++++>

------------------- Replication No.19 --------------------

Iteration 0   :++++++++
Iteration 100 :++++++++++++
Iteration 200 :++++++>

------------------- Replication No.20 --------------------

Iteration 0   :+++++++
Iteration 100 :+
Iteration 200 :+>

------------------- Replication No.21 --------------------

Iteration 0   :++++++++++++
Iteration 100 :+++++++++++++++++++++
Iteration 200 :+++>

------------------- Replication No.22 --------------------

Iteration 0   :++++++++++++
Iteration 100 :++++++++++++
Iteration 200 :+>

------------------- Replication No.23 --------------------
```

```
Iteration 0   :+++++++++++
Iteration 100 :
Iteration 200 :>

------------------- Replication No.24 -------------------

Iteration 0   :+++++++++++
Iteration 100 :++
Iteration 200 :++++++++++++++++>

------------------- Replication No.25 -------------------

Iteration 0   :++++++++++++
Iteration 100 :++++++++++++++++++++++++++++++
Iteration 200 :++++>

------------------- Replication No.26 -------------------

Iteration 0   :++++++++++
Iteration 100 :+++++
Iteration 200 :>

------------------- Replication No.27 -------------------

Iteration 0   :++++++
Iteration 100 :+++
Iteration 200 :>

------------------- Replication No.28 -------------------

Iteration 0   :++++++
Iteration 100 :
Iteration 200 :>

------------------- Replication No.29 -------------------

Iteration 0   :++++++++++
Iteration 100 :+++++++++++
Iteration 200 :+++>Warning:  Output names have been modified to conform to LP format.


 Begin evaluation of compromise solution
.....................................

obs:10000 mean:2.153517   error: 0.025668
 0.95 CI: [2.125879 , 2.181156]
.....................................

obs:20000 mean:2.158597   error: 0.018226
 0.95 CI: [2.138925 , 2.178269]
.....................................

obs:30000 mean:2.154761   error: 0.014932
 0.95 CI: [2.138673 , 2.170848]
.....................................

obs:40000 mean:2.154516   error: 0.012928
 0.95 CI: [2.140589 , 2.168442]
.....................................

obs:50000 mean:2.155001   error: 0.011563
 0.95 CI: [2.142542 , 2.167460]
.....................................

obs:60000 mean:2.156675   error: 0.010537
 0.95 CI: [2.145313 , 2.168038]
........................

Final Estimate
 obs:66503 mean:2.158591
 0.95 C.I.: [2.147798 , 2.169384]


 Begin evaluation of average solution
.....................................

obs:10000 mean:2.153518   error: 0.025668
 0.95 CI: [2.125880 , 2.181156]
.....................................

obs:20000 mean:2.158597   error: 0.018226
 0.95 CI: [2.138926 , 2.178269]
.....................................

obs:30000 mean:2.154762   error: 0.014932
 0.95 CI: [2.138674 , 2.170849]
.....................................

obs:40000 mean:2.154517   error: 0.012928
 0.95 CI: [2.140590 , 2.168443]
.....................................

obs:50000 mean:2.155002   error: 0.011563
 0.95 CI: [2.142543 , 2.167460]
.....................................

obs:60000 mean:2.156676   error: 0.010537
 0.95 CI: [2.145314 , 2.168039]
........................

Final Estimate
 obs:66503 mean:2.158592
 0.95 C.I.: [2.147799 , 2.169385]
```

```
Ending SD...


***Your comments***

(d)

***SD***
```

Additional Output: [6554099-thNyMOrl-solver-output](#).zip