

\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*\*

NEOS Server Version 5.0 Job# : 6179566 Password : sUrohvNi

User : None

Solver : milp:Gurobi:GAMS Start : 2018-07-25 14:49:13 End : 2018-07-25 14:52:09 Host : NEOS HTCondor Pool

## 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.

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Executed on prod-exec-1.neos-server.org

GAMS 24.9.2 r64480 Released Nov 14, 2017 LEX-LEG x86 64bit/Linux 07/25/18 14:49:29 Page 1

General Algebraic Modeling System

Compilation

COMPILATION TIME = 0.003 SECONDS 3 MB 24.9.2 r64480 LEX-LEG
GAMS 24.9.2 r64480 Released Nov 14, 2017 LEX-LEG x86 64bit/Linux 07/25/18 14:49:29 Page 2
General Algebraic Modeling System
Model Analysis SOLVE aero\_model Using MIP From line 1216

\*\*\*\*

\*\*\*\* 2430 Integer +INF Bounds have been reset to 100 (see Option IntVarUp)

GAMS 24.9.2 r64480 Released Nov 14, 2017 LEX-LEG x86 64bit/Linux 07/25/18 14:49:29 Page 3 General Algebraic Modeling System
Model Statistics SOLVE aero model Using MIP From line 1216

LOOPS zz z1

MODEL STATISTICS

BLOCKS OF EQUATIONS 64 SINGLE EQUATIONS 558,499
BLOCKS OF VARIABLES 38 SINGLE VARIABLES 932,864
NON ZERO ELEMENTS 5,473,927 DISCRETE VARIABLES 2,459

GENERATION TIME = 100.708 SECONDS 1,068 MB 24.9.2 r64480 LEX-LEG

EXECUTION TIME = 101.876 SECONDS 1,068 MB 24.9.2 r64480 LEX-LEG L O O P S zz z1

GAMS 24.9.2 r64480 Released Nov 14, 2017 LEX-LEG x86 64bit/Linux 07/25/18 14:49:29 Page 4 G e n e r a l A l g e b r a i c M o d e l i n g S y s t e m Solution Report SOLVE aero\_model Using MIP From line 1216

S O L V E S U M M A R Y

MODEL aero\_model OBJECTIVE objective TYPE MIP DIRECTION MAXIMIZE SOLVER CPLEX FROM LINE 1216

\*\*\*\* SOLVER STATUS 1 Normal Completion

\*\*\* MODEL STATUS 8 Integer Solution

\*\*\* OBJECTIVE VALUE -762307370.6515

RESOURCE USAGE, LIMIT 50.695 1728000000.000 ITERATION COUNT, LIMIT 35547 900000000

IBM ILOG CPLEX 24.9.2 r64480 Released Nov 14, 2017 LEG x86 64bit/Linux --- GAMS/Cplex licensed for continuous and discrete problems. Cplex 12.7.1.0

Space for names approximately 62.69 Mb
Use option 'names no' to turn use of names off
MIP status(102): integer optimal, tolerance
Cplex Time: 37.56sec (det. 34130.33 ticks)
Fixing integer variables, and solving final LP...

Fixed MIP status(1): optimal

Cplex Time: 11.43sec (det. 9811.72 ticks)

Solution satisfies tolerances.

MIP Solution: -762307370.651457 (1687 iterations, 0 nodes)

Final Solve: -762307370.651457 (33860 iterations)

Best possible: -740746754.197615 Absolute gap: 21560616.453842 Relative gap: 0.028283

\*\*\*\* REPORT SUMMARY: 0 NONOPT
0 INFEASIBLE
0 UNBOUNDED

GAMS 24.9.2 r64480 Released Nov 14, 2017 LEX-LEG x86 64bit/Linux 07/25/18 14:49:29 Page 5 General Algebraic Modeling System Execution

---- 1218 VARIABLE results.L Results

z1 -7.62307E+8

---- 1219 VARIABLE Production.L Production at plant f of product p in day d

INDEX 1 = f1

|        | y1     | y2     | у3     | y4     | у5     | у6     |
|--------|--------|--------|--------|--------|--------|--------|
| p2.t1  | 29.185 | 29.687 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t2  | 4.815  | 4.313  | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t3  | 17.000 | 17.000 | 17.000 | 17.000 | 34.000 | 17.000 |
| p2.t4  | 34.000 | 17.000 | 17.000 | 17.000 |        | 23.003 |
| p2.t5  |        | 17.000 | 30.511 | 17.000 | 17.000 | 25.846 |
| p2.t6  | 17.000 | 17.000 | 3.489  | 34.000 | 30.721 | 2.151  |
| p2.t7  | 17.000 | 17.000 | 34.000 |        | 3.279  | 17.000 |
| p2.t8  | 17.000 | 17.000 |        | 29.582 | 17.000 | 17.000 |
| p2.t9  | 17.000 | 17.000 | 17.000 | 4.418  | 17.000 | 17.000 |
| p2.t10 | 17.000 | 34.000 | 17.000 | 17.000 | 17.000 | 25.846 |
| p2.t11 | 17.000 |        | 17.000 | 17.000 | 17.000 | 8.154  |
| p2.t12 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| +      | у7     | у8     | у9     | y10    | y11    | y12    |
| p2.t1  | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t2  | 25.846 | 25.846 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t3  | 8.154  | 8.154  | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t4  | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t5  | 23.431 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t6  | 25.846 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t7  | 1.723  | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t8  | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t9  | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 | 17.000 |
| p2.t10 | 17.000 | 23.390 | 17.000 | 17.000 | 17.000 | 17.000 |

| 23/07/2016 |        |        |        | NEOS JOU | #0179300 |        |
|------------|--------|--------|--------|----------|----------|--------|
| p2.t11     | 17.000 | 25.846 | 17.000 | 17.000   | 17.000   | 17.000 |
| p2.t12     | 17.000 | 1.764  | 17.000 | 17.000   | 17.000   | 17.000 |
| +          | y13    | y14    | y15    |          |          |        |
|            | 120    | 1      | 120    |          |          |        |
| p2.t1      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t2      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t3      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t4      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t5      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t6      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t7      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t8      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t9      | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t10     | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t11     | 17.000 | 17.000 | 17.000 |          |          |        |
| p2.t12     | 17.000 | 17.000 | 17.000 |          |          |        |
|            |        |        |        |          |          |        |

---- 1219 VARIABLE Flow.L Flow of material m from l.origin to l.destination in period t (in units)

INDEX 1 = i1 INDEX 2 = f1 INDEX 3 = rm2

|  |  | <b>y</b> 1                           | у2  | у3  | у4   |
|--|--|--------------------------------------|---|---|--|
|  |  |                                      |   |   |  |
| truck_out  | .t2  |                                      |   | 65076.000                                       | 112020 044                                       |
| truck_out  | .t8  |                                      | CE076 000   | CE07C 000                                       | 113238.844                                       |
| truckCOOL_own  | .t4<br>.t5   |                                      | 65076.000   | 65076.000                                       | 65076.000  |
| truckCOOL_own<br>truckCOOL own   | .t6  |                                      |   | 13354.581                                       | 63076.000  |
| truckCOOL_own  | .t9  |                                      |   | 65076.000                                       |  |
| truckCOOL_own  | .t10   | 65076.000                            |   | 03070.000                                       |  |
| truckCOOL own  | .t12   | 65076.000                            |   |   |  |
| truckCOOL out  | .t1  | 03070.000                            | 113642.541  |   |  |
| truckCOOL out  | .t3  | 65076.000                            | 110012.511  |   |  |
| truckCOOL out  | .t6  | 65076.000                            |   |   |  |
| truckCOOL out  | .t7  | 65076.000                            |   |   |  |
| truckCOOL out  | •t9  |                                      | 65076.000   |   |  |
| truck XL own   | .t3  |                                      |   | 65076.000                                       |  |
| truck XL own   | .t5  |                                      | 65076.000   |   |  |
| truck XL own   | .t8  |                                      | 65076.000   |   |  |
| truck XL own   | .t11   | 65076.000                            |   |   |  |
| truck XL own   | .t12   |                                      | 65076.000   |   |  |
| truck XL out   | .t7  |                                      | 65076.000   |   |  |
| truck_XL_out   | .t8  | 65076.000                            |   |   |  |
| truck XL out   | .t10   |                                      | 130152.000  |   |  |
| truckCOOL XL ow  | n.t1   | 111718.422                           |   |   |  |
| truckCOOL_XL_ou  | ıt.t2  |                                      | 16509.459   |   |  |
| truckCOOL_XL_ou  | ıt.t6  |                                      |   |   | 130152.000                                       |
| truckCOOL_XL_ou  | ıt.t9  |                                      |   |   | 16913.156  |
|  |  |                                      |   |   |  |
|  | +  | <b>y</b> 5                           | у6  | у7  | у8   |
| truck own  |  | _                                    | у6  | у7  | y8   |
| truck_own  | .t1  | y5<br>65076.000                      | _   | у7  | у8   |
| truck_own  | .t1  | _                                    | y6  |   | у8   |
| truck_own<br>truck_own   | .t1<br>.t2<br>.t12   | _                                    | 65076.000   | y7  | у8   |
| truck_own<br>truck_own<br>truck_out  | .t1<br>.t2<br>.t12   | _                                    | 65076.000<br>65076.000  |   | у8   |
| truck_own truck_own truck_out truck_out  | .t1<br>.t2<br>.t12<br>.t1  | _                                    | 65076.000   |   | -  |
| truck_own truck_own truck_out truck_out truck_out  | .t1<br>.t2<br>.t12<br>.t1<br>.t5   | _                                    | 65076.000<br>65076.000  |   | y8<br>98939.077                                  |
| truck_own truck_own truck_out truck_out  | .t1<br>.t2<br>.t12<br>.t1  | _                                    | 65076.000<br>65076.000  | 65076.000                                       | -  |
| truck_own truck_own truck_out truck_out truck_out truck_out  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11   | 65076.000                            | 65076.000<br>65076.000  | 65076.000<br>65076.000                          | -  |
| truck_own truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t1  | _                                    | 65076.000<br>65076.000  | 65076.000<br>65076.000                          | -  |
| truck_own truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t1<br>.t2   | 65076.000                            | 65076.000<br>65076.000<br>98939.077   | 65076.000<br>65076.000                          | -  |
| truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t1<br>.t2<br>.t3  | 65076.000                            | 65076.000<br>65076.000<br>98939.077   | 65076.000<br>65076.000                          | -  |
| truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t1<br>.t2<br>.t3<br>.t9   | 65076.000                            | 65076.000<br>65076.000<br>98939.077   | 65076.000<br>65076.000<br>98939.077             | -  |
| truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t1<br>.t2<br>.t3<br>.t9<br>.t2  | 65076.000                            | 65076.000<br>65076.000<br>98939.077   | 65076.000<br>65076.000<br>98939.077             | -  |
| truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t2<br>.t3<br>.t9<br>.t2<br>.t7<br>.t10<br>.t4                                       | 65076.000                            | 65076.000<br>65076.000<br>98939.077   | 65076.000<br>65076.000<br>98939.077             | 98939.077  |
| truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own   | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t2<br>.t3<br>.t9<br>.t2<br>.t7<br>.t10<br>.t4<br>.t8                                | 65076.000                            | 65076.000<br>65076.000<br>98939.077   | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077  |
| truck_own truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t2<br>.t3<br>.t9<br>.t2<br>.t7<br>.t10<br>.t4<br>.t8<br>.t3<br>.t4                  | 65076.000                            | 65076.000<br>65076.000<br>98939.077<br>65076.000  | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077  |
| truck_own truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out   | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t2<br>.t3<br>.t9<br>.t2<br>.t7<br>.t10<br>.t4<br>.t8<br>.t3<br>.t4                  | 65076.000                            | 65076.000<br>65076.000<br>98939.077<br>65076.000  | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077<br>65076.000                           |
| truck_own truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out  | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t2<br>.t3<br>.t9<br>.t2<br>.t7<br>.t10<br>.t4<br>.t8<br>.t3<br>.t4<br>.t11<br>.m.t1 | 65076.000                            | 65076.000<br>65076.000<br>98939.077<br>65076.000  | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077<br>65076.000                           |
| truck_own truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out truckCOOL_XL_ow truckCOOL_XL_ow                    | .t1<br>.t2<br>.t12<br>.t1<br>.t5<br>.t11<br>.t2<br>.t3<br>.t9<br>.t2<br>.t7<br>.t10<br>.t4<br>.t8<br>.t3<br>.t4<br>.t11<br>m.t1  | 65076.000<br>130152.000<br>65076.000 | 65076.000<br>65076.000<br>98939.077<br>65076.000  | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077<br>65076.000                           |
| truck_own truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out truckCOOL_XL_ow truckCOOL_XL_ow truckCOOL_XL_ow                 | .t1 .t2 .t12 .t1 .t5 .t11 .t2 .t3 .t9 .t2 .t7 .t10 .t4 .t8 .t3 .t4 .t11 m.t1 m.t3 m.t5   | 65076.000                            | 65076.000<br>65076.000<br>98939.077<br>65076.000<br>98939.077<br>65076.000<br>31212.923 | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077<br>65076.000                           |
| truck_own truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out truckCOOL_XL_ow truckCOOL_XL_ow truckCOOL_XL_ow truckCOOL_XL_ow | .t1 .t2 .t12 .t1 .t5 .t11 .t2 .t3 .t9 .t2 .t7 .t10 .t4 .t8 .t3 .t4 .t11 m.t1 m.t3 m.t5 m.t6                                      | 65076.000<br>130152.000<br>65076.000 | 65076.000<br>65076.000<br>98939.077<br>65076.000  | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077<br>65076.000<br>65076.000<br>31212.923 |
| truck_own truck_own truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out truckCOOL_XL_ow truckCOOL_XL_ow truckCOOL_XL_ow                 | .t1 .t2 .t12 .t1 .t5 .t11 .t2 .t3 .t9 .t2 .t7 .t10 .t4 .t8 .t3 .t4 .t11 m.t1 m.t3 m.t5 m.t6 it.t2                                | 65076.000<br>130152.000<br>65076.000 | 65076.000<br>65076.000<br>98939.077<br>65076.000<br>98939.077<br>65076.000<br>31212.923 | 65076.000<br>65076.000<br>98939.077<br>6596.517 | 98939.077<br>65076.000                           |

| 25/07/2018                  |             |                   |           | NEOS Job  | #6179566  |
|-----------------------------|-------------|-------------------|-----------|-----------|-----------|
| truckCOOL XL ou             | ıt.t4       |                   | 88054.740 |           |           |
| truckCOOL_XL_ou             |             |                   |           | 89692.406 |           |
| truckCOOL_XL_ou             | ıt.t7       |                   |           |           | 65076.000 |
| truckCOOL_XL_ou             | ıt.t8       |                   | 65076.000 |           |           |
|                             |             |                   |           |           |           |
|                             | +           | у9                | y10       | y11       | y12       |
|                             |             |                   |           |           |           |
| truck_XL_own                | .t1         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t2         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t3         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t4         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t5         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t6         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t7         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t8         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck_XL_own                | .t9         | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck XL own                | .t10        | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck XL own                | .t11        | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
| truck XL own                | .t12        | 65076.000         | 65076.000 | 65076.000 | 65076.000 |
|                             |             |                   |           |           |           |
|                             | +           | y13               | y14       | y15       |           |
|                             |             | 1                 | 1         | 7 = 0     |           |
| truck XL own                | .t1         | 65076.000         | 65076.000 | 65076.000 |           |
| truck XL own                | .t2         | 65076.000         | 65076.000 | 65076.000 |           |
| truck XL own                | .t3         | 65076.000         | 65076.000 | 65076.000 |           |
| truck XL own                | •t4         | 65076.000         | 65076.000 | 65076.000 |           |
| truck XL own                | .t5         | 65076.000         | 65076.000 | 65076.000 |           |
| truck XL own                |             | 65076.000         | 65076.000 | 65076.000 |           |
|                             | .t6         |                   |           |           |           |
| truck_XL_own                | •t7         | 65076.000         | 65076.000 | 65076.000 |           |
| truck_XL_own                | .t8         | 65076.000         | 65076.000 | 65076.000 |           |
| truck_XL_own                | •t9         | 65076.000         | 65076.000 | 65076.000 |           |
| ${\tt truck\_XL\_own}$      | .t10        | 65076.000         | 65076.000 | 65076.000 |           |
| ${\tt truck\_XL\_own}$      | .t11        | 65076.000         | 65076.000 | 65076.000 |           |
| $truck\_XL\_own$            | .t12        | 65076.000         | 65076.000 | 65076.000 |           |
|                             |             |                   |           |           |           |
| INDEX $1 = i1$              | INDEX 2     | = f1 INDEX        | 3 = rm3   |           |           |
|                             |             |                   |           |           |           |
|                             |             | <b>y</b> 1        | y2        | у3        | y4        |
|                             |             |                   |           |           |           |
| truckCOOL_own               | .t1         | 4903.003          |           |           |           |
| truckCOOL_own               | .t2         |                   |           | 2856.000  |           |
| truckCOOL_own               | .t4         |                   | 2856.000  |           |           |
| truckCOOL_own               | .t7         | 2856.000          |           |           |           |
| truckCOOL_out               | .t3         | 2856.000          |           |           | 2856.000  |
| truckCOOL out               | .t5         |                   | 2856.000  |           |           |
| truckCOOL out               | .t7         |                   |           | 5712.000  |           |
| truckCOOL out               | .t11        |                   |           |           | 2856.000  |
| truckCOOL XL ov             |             |                   | 724.553   |           | 2856.000  |
| truckCOOL_XL_ov             |             |                   | 2856.000  |           |           |
| truckCOOL XL ov             |             |                   |           |           | 2856.000  |
| truckCOOL XL ov             |             |                   |           | 5125.906  | 2030.000  |
| truckCOOL_XL_ov             |             |                   |           | 3123.700  | 5712.000  |
| truckCOOL XL ov             |             |                   |           |           | 4969.730  |
| truckCOOL XL ov             |             |                   | 2856.000  |           | 742.270   |
| truckCOOL_XL_ov             |             | 2856.000          | 2030.000  |           | 742.270   |
| truckCOOL XL ou             |             | 2030.000          |           | 2856.000  |           |
|                             |             |                   |           | 2856.000  |           |
| truckCOOL_XL_ou             |             |                   |           | 2030.000  | 2056 000  |
| truckCOOL_XL_ou             |             | 2056 000          |           | FOC 004   | 2856.000  |
| truckCOOL_XL_ou             |             | 2856.000          | 0056 000  | 586.094   |           |
| truckCOOL_XL_ou             |             | 0056 000          | 2856.000  | 0056 000  |           |
| truckCOOL_XL_ou             |             | 2856.000          |           | 2856.000  |           |
| truckCOOL_XL_ou             |             |                   |           | 2856.000  | 2856.000  |
| truckCOOL_XL_ou             | ıt.tll      |                   |           | 2856.000  |           |
|                             |             |                   |           |           |           |
|                             | +           | у5                | у6        | у7        | у8        |
|                             |             |                   |           |           |           |
| truckCOOL_own               | .t1         |                   |           |           | 2856.000  |
| truckCOOL_own               | .t3         |                   | 2856.000  | 1369.846  |           |
| truckCOOL_own               | .t5         |                   |           | 3936.344  |           |
| truckCOOL_own               | .t7         |                   | 2856.000  |           |           |
| truckCOOL_own               | .t8         |                   |           | 2856.000  |           |
| truckCOOL_own               | .t12        |                   |           | 2856.000  |           |
| truckCOOL_out               | .t6         | 5161.198          |           |           |           |
| truckCOOL_out               | .t9         |                   | 2856.000  |           |           |
| truckCOOL out               | .t11        |                   |           | 2856.000  |           |
| truckCOOL_XL_ov             |             |                   |           |           | 4342.154  |
| truckCOOL XL ov             |             | 5712.000          |           |           |           |
| truckCOOL XL ov             |             |                   | 3864.471  | 2856.000  |           |
|                             |             |                   |           |           |           |
| https://neos-server.org/neo | os/iobs/617 | 0000/6179566.html |           |           |           |

| 25/07/2018  |  |  |   | NEOS Job   | #6179566   |
|---|--|--|---|--|--|
| truckCOOL_XL_ov   | √n.t.6   |  |   |  | 2856.000   |
| truckCOOL XL ov   |  |  |   |  | 2856.000   |
| truckCOOL XL ov   |  | 2856.000   |   |  | 2030.000   |
|   |  | 2030.000   | 1260 046  |  | 4242 154   |
| truckCOOL_XL_ov   |  |  | 1369.846  |  | 4342.154   |
| truckCOOL_XL_ov   |  |  |   |  | 296.400  |
| truckCOOL_XL_ou   |  |  |   | 2856.000   |  |
| truckCOOL_XL_ou   | ıt.t2  | 2856.000   |   |  |  |
| truckCOOL_XL_ou   | ıt.t5  |  | 4342.154  |  |  |
| truckCOOL XL ou   | ıt.t7  |  |   | 289.502  |  |
| truckCOOL XL ou   | ıt.t8  |  | 2856.000  |  |  |
| truckCOOL XL or   |  | 2856.000   |   |  |  |
| truckCOOL XL ou   |  |  |   | 2856.000   | 3929.446   |
| cruckeoon_kn_oc   | 10.010   |  |   | 2030.000   | 3727.440   |
|   |  | **0  | **10  | 11   | **12   |
|   | +  | у9   | y10   | y11  | y12  |
|   |  |  |   |  |  |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL_XL_ov   | vn.t2  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL_XL_ov   | vn.t3  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL_XL_ov   | vn.t4  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL XL ov   | vn.t5  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL XL ov   |  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL XL ov   |  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL XL ov   |  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
|   |  |  |   |  |  |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
| truckCOOL_XL_ov   | vn.t12   | 2856.000   | 2856.000  | 2856.000   | 2856.000   |
|   |  |  |   |  |  |
|   | +  | y13  | y14   | y15  |  |
| +rual-COOT VI   | .m ±1  | 2056 000   | 2056 000  | 2056 000   |  |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL_XL_ov   | √n.t4  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL_XL_ov   | vn.t5  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL XL ov   | vn.t6  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL XL ov   |  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL XL ov   |  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL XL ov   |  | 2856.000   | 2856.000  | 2856.000   |  |
| truckCOOL_XL_ov   |  | 2856.000   | 2856.000  | 2856.000   |  |
|   | VII • C I U  |  |   |  |  |
|   |  |  |   |  |  |
| truckCOOL_XL_ov   | vn.t11   | 2856.000   | 2856.000  | 2856.000   |  |
|   | vn.t11   |  |   |  |  |
| truckCOOL_XL_ov   | vn.t11<br>vn.t12   | 2856.000<br>2856.000   | 2856.000<br>2856.000  | 2856.000   |  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov  | vn.t11<br>vn.t12   | 2856.000<br>2856.000   | 2856.000<br>2856.000  | 2856.000   | y4   |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov  | vn.t11<br>vn.t12   | 2856.000<br>2856.000<br>= f1 INDEX                                 | 2856.000<br>2856.000<br>3 = sp1                                       | 2856.000<br>2856.000   | у4   |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 1</pre>   | vn.t11<br>vn.t12<br>INDEX 2  | 2856.000<br>2856.000<br>= f1 INDEX                                 | 2856.000<br>2856.000<br>3 = sp1                                       | 2856.000<br>2856.000   | y4<br>17749.035  |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 1 truck_own</pre>   | vn.t11<br>vn.t12<br>INDEX 2  | 2856.000<br>2856.000<br>= f1 INDEX                                 | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000   | _  |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 1 truck_own truck_out</pre>   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5  | 2856.000<br>2856.000<br>= f1 INDEX                                 | 2856.000<br>2856.000<br>3 = sp1                                       | 2856.000<br>2856.000<br>y3   | _  |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 1  truck_own truck_out truckCOOL_out</pre>  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4   | 2856.000<br>2856.000<br>= f1 INDEX                                 | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000   | _  |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 1  truck_own truck_out truckCOOL_out truckCOOL_out</pre>  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3   | _  |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1</pre>  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1   | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3   | _  |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1</pre>  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3   | _  |
| <pre>truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1</pre>  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6   | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3   | 17749.035  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12   | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3<br>10200.000  | _  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3   | 17749.035  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5   | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000                                 | 17749.035  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000                                 | 17749.035  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000                                 | 17749.035  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9<br>it.t12  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000       | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000                    | 17749.035<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1                           | 2856.000<br>2856.000<br>3 = sp1<br>y2                                 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000                                 | 17749.035  |
| truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>truckCOOL_XL_ov<br>INDEX 1 = i1 1<br>truck_own<br>truck_out<br>truckCOOL_out<br>truckCOOL_out<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own<br>truck_XL_own | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9<br>it.t12  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000       | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000                    | 17749.035<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 1  truck_own truck_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_COOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9<br>it.t12  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000       | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7              | 17749.035<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 1  truck_own truck_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_COOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9<br>it.t12  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000       | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7              | 17749.035<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 1  truck_own truck_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_COOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t2<br>vn.t5<br>vn.t9<br>it.t12  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000       | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7              | 17749.035<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 I  truck_own truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>it.t12<br>+<br>.t11<br>.t7<br>.t4<br>.t5  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000       | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 17749.035<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 I  truck_own truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_OUT truckCOOL_OUT  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7              | 17749.035<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 I  truck_own truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ou truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>!t.t10  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000       | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>y9   |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 I  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_OUT truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>.t11<br>.t7<br>.t4<br>.t5<br>.t9<br>!t.t11  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 I  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ou truckCOOL_OUT truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckXL_own truck_XL_own  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>!t.t10  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>y9   |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 I  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_OUT truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>.t11<br>.t7<br>.t4<br>.t5<br>.t9<br>!t.t11  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 I  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ou truckCOOL_OUT truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckCOOL_out truckXL_own truck_XL_own  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>.t11<br>.t7<br>.t4<br>.t5<br>.t9<br>!t.t11<br>.t7   | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000  |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 I  truck_own truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_OUT truck_XL_own truck_XL_own truck_XL_own  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>.t.11<br>.t7  | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000   |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1 I  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_ow truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_OUT truckXL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own   | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>.t11.t7   | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000   |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 1  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_Out truckXL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own truck_XL_own  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>!t.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>.t10<br>.t11.   | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000                           |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 1  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_ow truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_Out truck_XL_own      | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>.t1.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>.t10<br>.t10<br>.t2<br>.t10<br>.t2<br>vn.t5<br>vn.t9<br>.t10<br>.t10<br>.t11<br>.t2<br>.t3<br>.t4<br>.t5<br>.t4<br>.t5<br>.t4<br>.t5<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7 | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000              |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov INDEX 1 = i1  | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t9<br>!t.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>.t10<br>.t1<br>.t4<br>.t5<br>.t9<br>.t1.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>.t1<br>.t4<br>.t5<br>.t1<br>.t4<br>.t6<br>.t1<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7          | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000 |
| truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov  INDEX 1 = i1 1  truck_oun truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_ow truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_XL_ov truckCOOL_Out truck_XL_own      | vn.t11<br>vn.t12<br>INDEX 2<br>.t8<br>.t5<br>.t4<br>.t9<br>.t1<br>.t4<br>.t6<br>.t12<br>vn.t5<br>vn.t5<br>vn.t9<br>.t1.t12<br>+ .t11<br>.t7<br>.t4<br>.t5<br>.t9<br>.t10<br>.t10<br>.t2<br>.t10<br>.t2<br>vn.t5<br>vn.t9<br>.t10<br>.t10<br>.t11<br>.t2<br>.t3<br>.t4<br>.t5<br>.t4<br>.t5<br>.t4<br>.t5<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7<br>.t7 | 2856.000<br>2856.000<br>= f1 INDEX<br>y1<br>17510.724<br>20400.000 | 2856.000<br>2856.000<br>3 = sp1<br>y2<br>10200.000<br>10200.000<br>y6 | 2856.000<br>2856.000<br>y3<br>10200.000<br>2093.195<br>10200.000<br>10200.000<br>y7<br>10200.000 | 10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000<br>10200.000              |

| 25/07/2018  |   |  |   | NEOS Job   | #6179566   |
|---|---|--|---|--|--|
| truck XL own  | .t11  |  |   |  | 10200.000  |
| truck XL own  | .t12  |  |   |  | 10200.000  |
| truckCOOL XL o  | ut.t8   | 10200.000  |   | 10200.000  |  |
|   |   |  |   |  |  |
|   | +   | y10  | y11   | y12  | y13  |
|   |   | -  | -   | -  | -  |
| truck XL own  | .t1   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | .t2   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | .t3   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | .t4   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | .t5   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | .t6   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | •t7   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | .t8   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck XL own  | •t9   | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
|   |   |  |   |  |  |
| truck_XL_own  | .t10  | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck_XL_own  | .t11  | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
| truck_XL_own  | .t12  | 10200.000  | 10200.000   | 10200.000  | 10200.000  |
|   |   |  |   |  |  |
|   | +   | y14  | y15   |  |  |
|   |   |  |   |  |  |
| ${\sf truck\_XL\_own}$  | .t1   | 10200.000  | 10200.000   |  |  |
| truck_XL_own  | .t2   | 10200.000  | 10200.000   |  |  |
| truck_XL_own  | .t3   | 10200.000  | 10200.000   |  |  |
| truck_XL_own  | .t4   | 10200.000  | 10200.000   |  |  |
| truck_XL_own  | .t5   | 10200.000  | 10200.000   |  |  |
| truck_XL_own  | .t6   | 10200.000  | 10200.000   |  |  |
| truck XL own  | .t7   | 10200.000  | 10200.000   |  |  |
| truck XL own  | .t8   | 10200.000  | 10200.000   |  |  |
| truck XL own  | .t9   | 10200.000  | 10200.000   |  |  |
| truck XL own  | .t10  | 10200.000  | 10200.000   |  |  |
| truck XL own  | .t11  | 10200.000  | 10200.000   |  |  |
| truck XL own  | .t12  | 10200.000  | 10200.000   |  |  |
| cruon_nr_own  | • 012   | 10200.000  | 10200.000   |  |  |
| INDEX 1 = i1  | INDEX 2   | = f1 TNDEX   | 3 = sp2   |  |  |
| 1110011 1 11  | 1110L11 L   | II INDEN   | 0 5P2   |  |  |
|   |   | y1   | y2  | у3   | y4   |
|   |   | уı   | y Z   | уЗ   | уч   |
|   |   |  |   |  |  |
| truck our   | + /   |  | 30600 000   |  |  |
| truck_own   | .t4   | 20600 000  | 30600.000   |  |  |
| truck_own   | .t9   | 30600.000  | 30600.000   |  |  |
| truck_own<br>truck_own  | .t9<br>.t10   | 30600.000<br>30600.000                                 | 30600.000   | 20600 000  |  |
| truck_own<br>truck_own<br>truck_out   | .t9<br>.t10<br>.t9  |  |   | 30600.000  |  |
| truck_own truck_own truck_out truck_out   | .t9<br>.t10<br>.t9<br>.t12  |  | 30600.000   | 30600.000  | 20.000, 000  |
| truck_own truck_own truck_out truck_out truckCOOL_own   | .t9<br>.t10<br>.t9<br>.t12  |  |   |  | 30600.000  |
| truck_own truck_own truck_out truck_out truckCOOL_own truckCOOL_own   | .t9<br>.t10<br>.t9<br>.t12<br>.t4<br>.t7  | 30600.000  |   | 30600.000  | 30600.000  |
| truck_own truck_own truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_out   | .t9<br>.t10<br>.t9<br>.t12<br>.t4<br>.t7  |  |   | 61200.000  | 30600.000  |
| truck_own truck_own truck_out truck_out truckCOOL_own truckCOOL_out truckCOOL_out   | .t9<br>.t10<br>.t9<br>.t12<br>.t4<br>.t7<br>.t8   | 30600.000  |   | 61200.000  | 30600.000  |
| truck_own truck_out truck_out truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out   | .t9<br>.t10<br>.t9<br>.t12<br>.t4<br>.t7<br>.t8<br>.t12   | 30600.000  |   | 61200.000<br>30600.000<br>54920.416  | 30600.000  |
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| truck_own truck_out truck_out truckCOOL_own truckCOOL_out truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out truck_XL_out truck_XL_out   | .t9<br>.t10<br>.t9<br>.t12<br>.t4<br>.t7<br>.t8<br>.t12<br>.t5<br>.t10<br>.t12<br>.t3<br>.t8  | 30600.000  |   | 61200.000<br>30600.000<br>54920.416  |  |
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| truck_own truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_XL_out truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truck_own truck_own truck_own truck_out truckCOOL_own truck_OUL_out truckCOOL_own truckCOOL_XL_o  | .t9 .t10 .t9 .t12 .t4 .t7 .t8 .t12 .t5 .t10 .t12 .t3 .t8 .wwn.t2 .ut.t1 .ut.t3 .ut.t7 .ut.t9 + .t3 .t9 .t11 .t4 .t6 .t7 .t10 .t5 .t6 .t12 .wwn.t2 .wwn.t11 .ut.t2 .ut.t4      | 30600.000 30600.000 30600.000  y5  55298.553 30600.000 | 30600.000<br>53436.931<br>30600.000<br>y6<br>30600.000  | 61200.000 30600.000 54920.416 30600.000 30600.000 30600.000 3101.810                                 | 53247.105 30600.000 7952.895 y8 30600.000 3175.719 46523.077 |
| truck_own truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_OOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truck_own truck_own truck_own truck_out truck_OUL_XL_o truckCOOL_XL_o   | .t9 .t10 .t9 .t12 .t4 .t7 .t8 .t12 .t5 .t10 .t12 .t3 .t8 .wn.t2 .ut.t1 .ut.t3 .ut.t7 .ut.t9 + .t3 .t9 .t11 .t4 .t6 .t7 .t10 .t5 .t6 .t12 .wn.t2 .wwn.t11 .ut.t2 .ut.t4 .ut.t5 | 30600.000 30600.000 30600.000 y5  55298.553 30600.000  | 30600.000  53436.931 30600.000  y6 30600.000  46523.077 | 61200.000 30600.000 54920.416 30600.000 30600.000 30600.000 3101.810 30600.000 46523.077 42175.113   | 53247.105 30600.000 7952.895 y8 30600.000 3175.719 46523.077 |
| truck_own truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_out truckCOOL_out truck_XL_own truck_XL_own truck_XL_out truck_XL_out truck_OOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truckCOOL_XL_o truck_own truck_own truck_own truck_out truck_OUL_XL_o truckCOOL_XL_o   | .t9 .t10 .t9 .t12 .t4 .t7 .t8 .t12 .t5 .t10 .t12 .t3 .t8 .wwn.t2 .ut.t1 .ut.t3 .ut.t7 .ut.t9 + .t3 .t9 .t11 .t4 .t6 .t7 .t10 .t5 .t6 .t12 .wwn.t2 .wwn.t11 .ut.t2 .ut.t4      | 30600.000 30600.000 30600.000  y5  55298.553 30600.000 | 30600.000<br>53436.931<br>30600.000<br>y6<br>30600.000  | 61200.000 30600.000 54920.416 30600.000 30600.000 30600.000 3101.810 30600.000 46523.077             | 53247.105 30600.000 7952.895 y8 30600.000 3175.719 46523.077 |

| 25/07/2018   |   |                                |                           | NEOS Job               | #6179566              |
|--|---|--------------------------------|---------------------------|------------------------|-----------------------|
| truck_XL_own   | .t1                                       | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck_XL_own   | .t2                                       | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck_XL_own   | .t3                                       | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck_XL_own   | •t4                                       | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck_XL_own   | •t5                                       | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck_XL_own   | .t6                                       | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck_XL_own   | .t7                                       | 30600.000<br>30600.000         | 30600.000<br>30600.000    | 30600.000<br>30600.000 | 30600.000             |
| truck_XL_own   | .t8<br>.t9                                | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck_XL_own<br>truck XL own   | .t9                                       | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck XL own   | .t11                                      | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| truck XL own   | .t12                                      | 30600.000                      | 30600.000                 | 30600.000              | 30600.000             |
| 02 4011_112_0 1111   |   |                                |                           |                        |                       |
|  | +   | y13                            | y14                       | y15                    |                       |
|  |   |                                |                           |                        |                       |
| truck_XL_own   | .t1                                       | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck_XL_own   | .t2                                       | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck_XL_own   | .t3                                       | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck_XL_own   | .t4                                       | 30600.000                      | 30600.000<br>30600.000    | 30600.000<br>30600.000 |                       |
| truck_XL_own<br>truck XL own   | .t5<br>.t6                                | 30600.000<br>30600.000         | 30600.000                 | 30600.000              |                       |
| truck XL own   | .t7                                       | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck_XL_own   | .t8                                       | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck XL own   | .t9                                       | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck XL own   | .t10                                      | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck XL own   | .t11                                      | 30600.000                      | 30600.000                 | 30600.000              |                       |
| truck XL own   | .t12                                      | 30600.000                      | 30600.000                 | 30600.000              |                       |
|  |   |                                |                           |                        |                       |
| INDEX 1 = i3   | INDEX 2                                   | = f1 INDEX                     | 3 = rm2                   |                        |                       |
|  |   | y1                             | y2                        | у3                     | y4                    |
|  |   | 1 -                            | 1 -                       | 7.5                    | 1 -                   |
| truck_own  | .t9                                       | 65076.000                      |                           |                        |                       |
| truck_out  | .t2                                       |                                |                           |                        | 65076.000             |
| truck_out  | .t3                                       |                                | 65076.000                 |                        |                       |
| truckCOOL_own  | .t10                                      |                                |                           |                        | 65076.000             |
| truckCOOL_out  | .t1                                       |                                |                           | 65076.000              |                       |
| truckCOOL_out  | .t6                                       |                                | 65076.000                 | 120150 000             |                       |
| truckCOOL_out  | .t7                                       |                                |                           | 130152.000             |                       |
| truckCOOL_out<br>truck XL own  | .t10<br>.t1                               |                                |                           | 65076.000              | 65076.000             |
| truck XL own   | .t5                                       |                                |                           | 116797.419             | 03070.000             |
| truck XL own   | .t11                                      |                                |                           | 65076.000              | 65076.000             |
| truck_XL_out   |   | 18433.578                      |                           | 03070.000              | 03070.000             |
| truckCOOL_XL_o   | wn.t4                                     |                                |                           |                        | 65076.000             |
| truckCOOL XL o   |   |                                |                           | 65076.000              |                       |
| truckCOOL_XL_o   |   |                                |                           |                        | 65076.000             |
| truckCOOL_XL_o   | ut.t4                                     | 130152.000                     |                           |                        |                       |
| truckCOOL_XL_o   | ut.t12                                    |                                |                           |                        | 65076.000             |
|  | +   | **5                            | ***6                      | **7                    | ***0                  |
|  | '   | <b>y</b> 5                     | у6                        | у7                     | у8                    |
| truck out  | .t5                                       |                                |                           |                        | 65076.000             |
| truck_out  | .t7                                       |                                | 65076.000                 |                        |                       |
| truck_out  | .t10                                      |                                |                           |                        | 89535.227             |
| truck_out  | .t12                                      | 65076.000                      |                           |                        |                       |
| truckCOOL_own  | .t8                                       | CE05C 222                      |                           |                        | 65076.000             |
| truckCOOL_own  | .t10                                      | 65076.000                      |                           | (5076 000              |                       |
| truckCOOL_own truckCOOL out  | .t11<br>.t6                               |                                |                           | 65076.000<br>98939.077 | 65076.000             |
| truckCOOL out  | •t7                                       | 12550.412                      |                           | 90939.011              | 03070.000             |
| truckCOOL out  | .t8                                       | 65076.000                      |                           |                        |                       |
| truckCOOL out  | .t9                                       | 22373.000                      |                           | 65076.000              |                       |
| truck_XL_own   | .t9                                       | 65076.000                      |                           |                        |                       |
|  |   |                                |                           | 65076.000              |                       |
| ${\tt truck\_XL\_own}$   | .t10                                      |                                |                           |                        |                       |
| truck_XL_own   | .t10<br>.t11                              | 65076.000                      |                           |                        |                       |
| truck_XL_own<br>truck_XL_own   | .t11<br>.t12                              |                                | 65076.000                 |                        | 6753.697              |
| truck_XL_own<br>truck_XL_own<br>truckCOOL_XL_o   | .t11<br>.t12<br>wn.t6                     | 65076.000<br>117601.588        | 65076.000                 |                        |                       |
| truck_XL_own<br>truck_XL_own   | .t11<br>.t12<br>wn.t6                     |                                | 65076.000                 |                        | 6753.697<br>65076.000 |
| truck_XL_own<br>truck_XL_own<br>truckCOOL_XL_o<br>truckCOOL_XL_o                                   | .t11<br>.t12<br>wn.t6                     | 117601.588                     | 65076.000<br>3 = rm3      |                        |                       |
| truck_XL_own<br>truck_XL_own<br>truckCOOL_XL_o<br>truckCOOL_XL_o                                   | .t11<br>.t12<br>wn.t6<br>wn.t9            | 117601.588<br>= f1 INDEX       |                           |                        |                       |
| truck_XL_own<br>truck_XL_own<br>truckCOOL_XL_o<br>truckCOOL_XL_o                                   | .t11<br>.t12<br>wn.t6<br>wn.t9            | 117601.588                     |                           | у3                     |                       |
| truck_XL_own<br>truck_XL_own<br>truckCOOL_XL_o<br>truckCOOL_XL_o                                   | .t11<br>.t12<br>wn.t6<br>wn.t9            | 117601.588<br>= f1 INDEX<br>y1 | 3 = rm3                   | _                      | 65076.000             |
| truck_XL_own truck_XL_own truckCOOL_XL_o truckCOOL_XL_o  INDEX 1 = i3  truckCOOL_own               | .t11<br>.t12<br>wn.t6<br>wn.t9<br>INDEX 2 | 117601.588<br>= f1 INDEX       | 3 = rm3<br>y2             | y3<br>2856.000         | 65076.000             |
| truck_XL_own truck_XL_own truckCOOL_XL_o truckCOOL_XL_o  INDEX 1 = i3  truckCOOL_own truckCOOL_own | .t11<br>.t12<br>wn.t6<br>wn.t9<br>INDEX 2 | 117601.588<br>= f1 INDEX<br>y1 | 3 = rm3<br>y2<br>2856.000 | _                      | 65076.000             |
| truck_XL_own truck_XL_own truckCOOL_XL_o truckCOOL_XL_o  INDEX 1 = i3  truckCOOL_own               | .t11<br>.t12<br>wn.t6<br>wn.t9<br>INDEX 2 | 117601.588<br>= f1 INDEX<br>y1 | 3 = rm3<br>y2             | _                      | 65076.000             |

| 25/07/2018  |   |            |                        | NEOS Job               | #6179566                           |
|---|---|------------|------------------------|------------------------|------------------------------------|
| truckCOOL out   | .t1   |            |                        |                        | 2856.000                           |
| truckCOOL out   | .t12  | 2856.000   |                        |                        |                                    |
| truckCOOL XL ow   |   | 2030.000   | 4987.447               |                        |                                    |
| truckCOOL XL ow   |   | 2856.000   | 4707.447               |                        |                                    |
|   |   | 2030.000   |                        |                        | 2856.000                           |
| truckCOOL_XL_ow   |   | 000 007    |                        |                        | 2030.000                           |
| truckCOOL_XL_ou   |   | 808.997    | 0056 000               |                        |                                    |
| truckCOOL_XL_ou   | ıt.t8   | 2856.000   | 2856.000               |                        |                                    |
|   |   |            |                        |                        |                                    |
|   | +   | <b>y</b> 5 | у6                     | <b>y</b> 7             | У8                                 |
|   |   |            |                        |                        |                                    |
| truckCOOL own   | .t1   |            | 2856.000               |                        |                                    |
| truckCOOL own   | .t5   |            |                        |                        | 2856.000                           |
| truckCOOL own   | .t7   | 550.802    |                        |                        |                                    |
| truckCOOL own   | •t9   |            |                        | 2856.000               |                                    |
| truckCOOL own   | .t10  | 2856.000   | 4342.154               | 2030.000               |                                    |
| truckCOOL own   | .t12  | 2856.000   | 4342.134               |                        |                                    |
| _   |   | 2030.000   | 2056 000               | 1212 151               |                                    |
| truckCOOL_out   | .t2   |            | 2856.000               | 4342.154               | 1260 046                           |
| truckCOOL_out   | .t3   | 0056 000   |                        |                        | 1369.846                           |
| truckCOOL_out   | •t5   | 2856.000   |                        |                        |                                    |
| truckCOOL_out   | .t6   |            | 361.375                |                        |                                    |
| truckCOOL_XL_ow   |   |            |                        |                        | 2856.000                           |
| truckCOOL_XL_ow   |   |            | 2856.000               |                        |                                    |
| truckCOOL_XL_ou   | ıt.t1   | 2856.000   |                        |                        |                                    |
| truckCOOL_XL_ou   | ıt.t4   |            |                        |                        | 2856.000                           |
| truckCOOL XL ou   | ıt.t6   |            |                        | 4342.154               |                                    |
| truckCOOL XL ou   |   |            |                        |                        | 2856.000                           |
| truckCOOL XL ou   |   | 2856.000   |                        |                        |                                    |
|   |   |            |                        |                        |                                    |
| INDEX 1 = i3 I  | NDEX 2  | = f1 TNDEY | 3 = sp1                |                        |                                    |
|   |   |            | o spi                  |                        |                                    |
|   |   | <b>y</b> 1 | y2                     | у3                     | y4                                 |
|   |   | 2 -        | 2 -                    | 1 -                    | 7 -                                |
| truck own   | .t3   | 10200.000  |                        |                        | 10200.000                          |
| truck own   | .t9   | 10200.000  |                        |                        | 2650.965                           |
| truck own   | .t10  |            |                        |                        | 10200.000                          |
|   |   |            |                        | 10000 000              | 10200.000                          |
| truck_own   | .t11  |            |                        | 10200.000              |                                    |
| truck_out   | .t6   |            |                        |                        | 20400.000                          |
| truckCOOL_own   | .t5   |            |                        | 18306.805              |                                    |
| truckCOOL_own   | .t7   |            | 10200.000              |                        |                                    |
| truckCOOL_out   | .t2   | 2889.276   |                        |                        | 10200.000                          |
| truckCOOL_out   | .t4   |            | 10200.000              |                        |                                    |
| truckCOOL_out   | .t7   | 10200.000  |                        |                        |                                    |
| truckCOOL out   | .t10  |            | 20400.000              |                        |                                    |
| truckCOOL out   | .t12  | 10200.000  |                        |                        |                                    |
| truck XL own  | .t1   |            |                        |                        | 10200.000                          |
| truck XL own  | .t2   |            | 2587.690               |                        |                                    |
| truck XL own  | .t6   |            | 10200.000              |                        |                                    |
| truck XL own  | .t9   | 10200.000  | 10200000               |                        |                                    |
| truck XL own  | .t11  | 10200.000  |                        |                        | 10200.000                          |
| truck XL out  | .t1   |            | 17812.310              |                        | 10200.000                          |
|   |   | 10200 000  | 1/012.310              |                        |                                    |
| truck_XL_out  | .t6   | 10200.000  | 10000 000              |                        |                                    |
| truck_XL_out  | .t8   | 10200.000  | 10200.000              | 10000 000              |                                    |
| truck_XL_out  | .t10  | 10200.000  |                        | 10200.000              |                                    |
| truck_XL_out  | .t11  | 10200.000  |                        |                        |                                    |
| truckCOOL_XL_ow   |   |            |                        | 10200.000              |                                    |
| truckCOOL_XL_ow   |   |            | 10200.000              | 10200.000              |                                    |
| truckCOOL_XL_ow   |   |            |                        |                        | 10200.000                          |
| truckCOOL_XL_ow   |   |            |                        | 20400.000              |                                    |
| truckCOOL_XL_ow   | m.t12   |            | 10200.000              |                        |                                    |
|   |   |            |                        |                        |                                    |
|   | +   | у5         | у6                     | у7                     | у8                                 |
|   |   |            |                        |                        |                                    |
| truck_own   | .t3   |            |                        | 4892.308               |                                    |
| truck_own   | .t6   | 18432.851  |                        |                        |                                    |
| truck_own   | .t7   |            | 10200.000              |                        |                                    |
| truck_own   | .t10  |            |                        |                        | 14033.735                          |
|   |   | 20400.000  |                        |                        |                                    |
| truck out   | .t3   | 20400.000  |                        |                        |                                    |
|   | .t3<br>.t5  | 10200.000  |                        |                        |                                    |
| truck_out   | .t5   |            |                        |                        | 10200.000                          |
| truck_out<br>truck_out  | .t5<br>.t8  |            |                        |                        | 10200.000                          |
| truck_out<br>truck_out<br>truck_out   | .t5<br>.t8<br>.t9   |            | 4892 - 308             |                        | 10200.000                          |
| truck_out truck_out truck_out truck_out   | .t5<br>.t8<br>.t9<br>.t11                                     |            | 4892.308               | 10200 000              |                                    |
| truck_out truck_out truck_out truck_out truck_out truckCOOL_own   | .t5<br>.t8<br>.t9<br>.t11<br>.t1                              |            | 10200.000              | 10200.000              | 10200.000                          |
| truck_out truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own   | .t5<br>.t8<br>.t9<br>.t11<br>.t1                              |            |                        | 10200.000<br>15507.692 | 10200.000<br>15507.692             |
| truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own   | .t5<br>.t8<br>.t9<br>.t11<br>.t1<br>.t2<br>.t3                |            | 10200.000              | 15507.692              | 10200.000                          |
| truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own   | .t5<br>.t8<br>.t9<br>.t11<br>.t1<br>.t2<br>.t3                |            | 10200.000              | 15507.692<br>15507.692 | 10200.000<br>15507.692             |
| truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own                             | .t5<br>.t8<br>.t9<br>.t11<br>.t1<br>.t2<br>.t3<br>.t6         |            | 10200.000              | 15507.692              | 10200.000<br>15507.692<br>4892.308 |
| truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own | .t5<br>.t8<br>.t9<br>.t11<br>.t1<br>.t2<br>.t3<br>.t6<br>.t10 |            | 10200.000<br>10200.000 | 15507.692<br>15507.692 | 10200.000<br>15507.692             |
| truck_out truck_out truck_out truck_out truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own truckCOOL_own                             | .t5<br>.t8<br>.t9<br>.t11<br>.t1<br>.t2<br>.t3<br>.t6         |            | 10200.000              | 15507.692<br>15507.692 | 10200.000<br>15507.692<br>4892.308 |

| 25/07/2018             |        |            |           | NEOS Job  | #6179566  |
|------------------------|--------|------------|-----------|-----------|-----------|
| truckCOOL out          | .t9    |            | 10200.000 |           |           |
| truckCOOL_out          | .t12   |            | 10200.000 | 10200.000 |           |
| truck_XL_own           | .t4    |            |           |           | 10200.000 |
| truck_XL_own           | .t5    |            |           | 14058.371 |           |
| truck_XL_own           | .t12   | 10200.000  |           |           | 1058.573  |
| truck_XL_out           | .t4    |            |           | 10200.000 |           |
| truck_XL_out           | .t5    |            |           |           | 10200.000 |
| truckCOOL_XL_ow        | n.t1   | 10200.000  |           |           |           |
| truckCOOL_XL_ow        | n.t2   |            |           |           | 15507.692 |
| truckCOOL_XL_ow        |        |            |           |           | 10200.000 |
| truckCOOL_XL_ow        |        |            |           | 1033.937  |           |
| truckCOOL_XL_ow        |        |            | 10200.000 |           |           |
| truckCOOL_XL_ow        |        | 10200.000  |           |           |           |
| truckCOOL_XL_ow        |        | 10200.000  |           |           |           |
| truckCOOL_XL_ou        |        | 10200.000  |           |           |           |
| truckCOOL_XL_ou        |        |            | 1290.624  |           |           |
| truckCOOL_XL_ou        |        |            |           |           | 10200.000 |
| truckCOOL_XL_ou        | t.t10  | 10200.000  |           |           |           |
|                        |        | C1 T110011 | 2 0       |           |           |
| INDEX $1 = i3$ I       | NDEX 2 | = fl INDEX | 3 = sp2   |           |           |
|                        |        | 1          | 2         | 2         | 1         |
|                        |        | <b>y</b> 1 | y2        | у3        | y4        |
| truck own              | .t10   |            |           |           | 30600.000 |
| truck_own              | .t10   |            |           |           | 30600.000 |
| truck_out              | .t1    | 61200.000  |           |           | 30000.000 |
| <del>-</del>           |        | 61200.000  |           |           | 20600 000 |
| truck_out              | .t5    |            |           | 20600 000 | 30600.000 |
| truck_out              | .t11   | 0.668 008  |           | 30600.000 |           |
| truckCOOL_out          | .t2    | 8667.827   |           |           |           |
| truckCOOL_out          | .t11   |            |           |           | 30600.000 |
| $truck\_XL\_own$       | .t2    |            | 7763.069  |           |           |
| truck_XL_own           | .t4    |            |           | 30600.000 |           |
| truck_XL_own           | .t6    |            | 30600.000 |           | 61200.000 |
| truck_XL_own           | .t8    |            | 30600.000 |           |           |
| $truck\_XL\_out$       | .t2    |            |           |           | 30600.000 |
| truck_XL_out           | .t3    |            | 30600.000 |           |           |
| truckCOOL_XL_own       | n.t3   |            |           | 30600.000 |           |
| truckCOOL_XL_ow        | n.t6   |            |           | 6279.584  |           |
| truckCOOL_XL_ow        | n.t9   |            | 30600.000 |           |           |
| truckCOOL XL ow        |        |            | 61200.000 |           |           |
| truckCOOL XL own       | n.t11  | 30600.000  |           |           |           |
| truckCOOL_XL_ou        | t.t1   | 52532.173  |           | 30600.000 |           |
| truckCOOL XL ou        |        |            | 30600.000 |           |           |
| truckCOOL XL ou        |        | 30600.000  |           |           |           |
| truckCOOL_XL_ou        |        | 30600.000  |           |           |           |
| truckCOOL XL ou        |        |            |           |           | 30600.000 |
|                        |        |            |           |           |           |
|                        | +      | у5         | y6        | у7        | у8        |
|                        |        | 2 -        | 1         | 2 ·       | 2 -       |
| truck own              | .t1    |            |           |           | 30600.000 |
| truck own              | .t7    |            | 30600.000 |           |           |
| truck own              | .t8    |            | 30600.000 |           |           |
| truck own              | .t9    |            | 30600.000 |           |           |
| truck_own              | .t10   |            | 30000.000 | 30600.000 |           |
| truck out              | .t1    | 30600.000  |           | 30000.000 |           |
| truck out              | .t5    | 2000.000   | 46523.077 |           |           |
| truck_out              | .t6    |            | 3871.873  |           |           |
| truck out              | .t9    |            | 55/1.0/5  |           | 30600.000 |
| truck out              | .t10   |            |           |           | 42101.204 |
| truckCOOL own          | .t10   |            | 30600.000 |           | 72101.204 |
| <del></del>            |        |            | 30600.000 | 14676 022 |           |
| truckCOOL_own          | .t3    | E001 447   |           | 14676.923 |           |
| truckCOOL_own          | .t7    | 5901.447   |           |           |           |
| truckCOOL_own          | .t8    | 30600.000  | 20600 000 |           |           |
| truckCOOL_out          | .t1    |            | 30600.000 |           |           |
| truckCOOL_out          | .t7    |            |           |           | 30600.000 |
| truckCOOL_out          | .t8    |            |           |           | 30600.000 |
| truck_XL_own           | .t1    |            |           | 30600.000 |           |
| truck_XL_own           | .t2    | 30600.000  |           |           |           |
| truck_XL_own           | .t3    | 61200.000  |           |           |           |
| truck_XL_own           | .t4    |            |           |           | 30600.000 |
| ${\tt truck\_XL\_own}$ | .t9    | 30600.000  |           |           |           |
| ${\tt truck\_XL\_own}$ | .t10   | 30600.000  |           |           |           |
| truck_XL_own           | .t11   |            | 14676.923 |           |           |
| truck_XL_out           | .t12   | 30600.000  |           |           |           |
| truckCOOL_XL_ow        | n.t5   |            |           |           | 30600.000 |
| truckCOOL_XL_ow        |        |            |           | 30600.000 |           |
| truckCOOL_XL_ow        |        |            | 30600.000 |           |           |
| truckCOOL XL ou        |        |            |           |           | 14676.923 |
|                        |        |            |           |           |           |

truckCOOL\_XL\_out.t6 46523.077

| INDEX 1 = f1                 | INDEX 2 =    | portPT INI       | DEX 3 = p2       |                  |                  |
|------------------------------|--------------|------------------|------------------|------------------|------------------|
|                              |              | y1               | y2               | у3               | y4               |
| truck XL own                 | .t1          |                  | 17.000           |                  | 17.000           |
| truck_XL_own                 | .t2          |                  |                  | 17.000           |                  |
| ${\tt truck\_XL\_own}$       | .t3          | 17.000           | 17.000           | 17.000           | 17.000           |
| ${\tt truck\_XL\_own}$       | .t4          |                  | 17.000           |                  | 17.000           |
| truck_XL_own                 | .t6          |                  | 17.000           |                  | 17.000           |
| truck_XL_own                 | .t7          |                  | 17.000           |                  |                  |
| truck_XL_own                 | .t8          | 17.000           | 17.000           |                  | 17.000           |
| truck_XL_own                 | .t9          | 17.000           | 17 000           | 17.000           | 17.000           |
| truck_XL_own<br>truck XL own | .t10<br>.t11 |                  | 17.000<br>17.000 | 17.000           | 17.000           |
| truck XL own                 | .t12         |                  | 17.000           | 17.000           | 17.000           |
| truckCOOL XL o               |              | 17.000           |                  | 17.000           | 17.000           |
| truckCOOL_XL_c               |              | 17.000           | 17.000           | 17.000           | 17.000           |
| truckCOOL XL o               |              | 17.000           |                  | 17.000           |                  |
| truckCOOL XL o               | own.t5       | 17.000           | 17.000           | 17.000           | 17.000           |
| truckCOOL_XL_c               | own.t6       | 17.000           |                  | 17.000           |                  |
| truckCOOL_XL_c               |              | 17.000           |                  | 17.000           | 17.000           |
| truckCOOL_XL_c               |              |                  |                  | 17.000           |                  |
| truckCOOL_XL_c               |              |                  | 17.000           | 17.000           |                  |
| truckCOOL_XL_c               |              | 17.000           |                  | 4.5.000          | 4                |
| truckCOOL_XL_c               |              | 17.000           | 17 000           | 17.000           | 17.000           |
| truckCOOL_XL_c               | own.tl2      | 17.000           | 17.000           |                  |                  |
|                              | +            | <b>y</b> 5       | у6               | у7               | у8               |
|                              | •            | 13               | 10               | 1'               | 10               |
| truck XL own                 | .t2          | 17.000           | 17.000           | 17.000           |                  |
| truck XL own                 | .t4          | 17.000           | 17.000           | 17.000           | 17.000           |
| truck_XL_own                 | .t5          | 17.000           |                  | 17.000           | 17.000           |
| truck_XL_own                 | .t6          | 17.000           |                  | 17.000           | 17.000           |
| ${\tt truck\_XL\_own}$       | .t7          | 17.000           |                  |                  | 17.000           |
| ${\tt truck\_XL\_own}$       | .t8          |                  | 17.000           |                  |                  |
| truck_XL_own                 | .t9          | 17.000           |                  |                  | 17.000           |
| truck_XL_own                 | .t10         | 17.000           |                  | 17.000           | 17.000           |
| truck_XL_own                 | .t11         | 17.000           | 17 000           | 17.000           |                  |
| truck_XL_own                 | .t12         | 17.000           | 17.000<br>17.000 | 17.000<br>17.000 | 17.000           |
| truckCOOL_XL_c               |              | 17.000           | 17.000           | 17.000           | 17.000           |
| truckCOOL XL o               |              | 17.000           | 17.000           | 17.000           | 17.000           |
| truckCOOL XL o               |              | 1,1000           | 17.000           | 2,,,,,           | 2,000            |
| truckCOOL_XL_c               |              |                  | 17.000           |                  |                  |
| truckCOOL_XL_c               |              |                  | 17.000           | 17.000           |                  |
| truckCOOL_XL_c               |              | 17.000           |                  | 17.000           | 17.000           |
| truckCOOL_XL_c               |              |                  | 17.000           | 17.000           |                  |
| truckCOOL_XL_c               |              |                  | 17.000           |                  |                  |
| truckCOOL_XL_c               |              | 4.7. 000         | 17.000           |                  | 17.000           |
| truckCOOL_XL_c               | own.t12      | 17.000           |                  |                  | 17.000           |
|                              | +            | у9               | y10              | y11              | y12              |
|                              | •            | 10               | y 10             | 7 - 1            | 712              |
| truck_XL_own                 | .t1          | 17.000           | 17.000           | 17.000           | 17.000           |
| truck_XL_own                 | .t2          | 17.000           | 17.000           | 17.000           | 17.000           |
| ${\tt truck\_XL\_own}$       | .t3          | 17.000           | 17.000           | 17.000           | 17.000           |
| ${\tt truck\_XL\_own}$       | .t4          | 17.000           | 17.000           | 17.000           | 17.000           |
| truck_XL_own                 | .t5          | 17.000           | 17.000           | 17.000           | 17.000           |
| truck_XL_own                 | .t6          | 17.000           | 17.000           | 17.000           | 17.000           |
| truck_XL_own                 | .t7          | 17.000           | 17.000           | 17.000           | 17.000           |
| truck_XL_own<br>truck XL own | .t8<br>.t9   | 17.000<br>17.000 | 17.000<br>17.000 | 17.000<br>17.000 | 17.000<br>17.000 |
| truck XL own                 | .t10         | 17.000           | 17.000           | 17.000           | 17.000           |
| truck XL own                 | .t11         | 17.000           | 17.000           | 17.000           | 17.000           |
| truck XL own                 | .t12         | 17.000           | 17.000           | 17.000           | 17.000           |
|                              |              |                  |                  | - 7-             |                  |
|                              | +            | y13              | y14              | y15              |                  |
| truck XL own                 | .t1          | 17.000           | 17.000           | 17.000           |                  |
| truck_XL_own                 | .t2          | 17.000           | 17.000           | 17.000           |                  |
| truck_XL_own                 | .t3          | 17.000           | 17.000           | 17.000           |                  |
| truck_XL_own                 | .t4          | 17.000           | 17.000           | 17.000           |                  |
| truck_XL_own                 | .t5          | 17.000           | 17.000           | 17.000           |                  |
| truck_XL_own                 | .t6          | 17.000           | 17.000           | 17.000           |                  |
| truck_XL_own                 | .t7          | 17.000           | 17.000           | 17.000           |                  |
| truck_XL_own                 | .t8          | 17.000           | 17.000           | 17.000           |                  |

| Truck XL own   | 25/07/2018     |          |             |              | NEOS Job #6                             | 179566 |
|--|----------------|----------|-------------|--------------|---|--------|
| Truck XI_own   | truck XL own   | .t9      | 17.000      | 17.000       | 17.000                                  |        |
| TINDEX 1 = airBR   |                | .t10     | 17.000      | 17.000       | 17.000                                  |        |
| NDEX 1 = airBR   INDEX 2 = j1   INDEX 3 = p2   y4   y6   y6  |                |          |             |              |   |        |
| Y1    Y2    Y4    Y6   | truck_XL_own   | .t12     | 17.000      | 17.000       | 17.000                                  |        |
| truck XL own .t1 truck XL own .t10 truck XL own .t10 truck XL own .t10 truck XL own .t11 truck XL own .t12 truck XL own .t2 truck XL own .t3 truck XL own .t3 truck XL own .t4 truck XL own .t3 truck XL own .t4 truck XL own .t5 truck XL own .t4 truck XL own .t5 truck XL own .t5 truck XL own .t4 truck XL own .t4 truck XL own .t5 truck XL own .t5 truck XL own .t5 truck XL own .t5 truck XL own .t6 truck XL own .t7 truck XL own .t7 truck XL own .t8 truck X | INDEX 1 = airB | R INDEX  | 2 = j1 INDE | 2X 3 = p2    |   |        |
| Truck XL own   |                |          | у1          | у2           | у4                                      | у6     |
| Truck XL own   |                |          |             |              |   |        |
| Truck XL own   |                |          |             |              |   |        |
| Truck XL own   |                |          |             |              | 17 000                                  | 17.000 |
| TruckCOL_XL_own.t2   |                |          |             | 17.000       |   |        |
| truckCOOL_XL_own.t12   |                |          |             | _,,,,,,      | _,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,, | 17.000 |
| TruckCOOL_KI_own.tl2   | truckCOOL_XL_o | wn.t2    |             |              | 17.000                                  |        |
| Truck_XL_own   |                |          |             | 17.000       |   |        |
| truck_XL_own .t3   | truckCOOL_XL_o | wn.t12   | 17.000      |              | 17.000                                  |        |
| TruckCNL_own.t5  |                | +        | у7          | у8           |   |        |
| TruckCNL_own.t5  | truck VI. own  | + 3      |             | 17 000       |   |        |
| INDEX 1 = portPT   INDEX 2 = portBR   INDEX 3 = p2   |                |          |             |              |   |        |
| Y1   |                |          | 17.000      | 17.000       |   |        |
| Doat   | INDEX 1 = port | PT INDEX | 2 = portBR  | INDEX 3 = p2 |   |        |
| Doat   | -              |          | v1          | v2           | v3                                      | v4     |
| Doat   |                |          | _           | _            | _                                       | _      |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                | .t5      |             |              |   |        |
| Doat   | boat           |          | 17.000      | 17.000       | 17.000                                  |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                | +        | у5          | у6           | у7                                      | у8     |
| Doat   |                |          | 17 000      | 15 000       | 17 000                                  | 4      |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| boat         .t5         17.000  |                |          |             |              |   |        |
| boat         .t7         17.000         17.000         17.000         17.000           boat         .t8         17.000         17.000         17.000         17.000           boat         .t9         17.000         17.000         17.000         17.000           boat         .t10         17.000         17.000         17.000         17.000           boat         .t11         17.000         17.000         17.000         17.000           boat         .t12         17.000         17.000         17.000         17.000           boat         .t2         17.000         17.000         17.000         17.000           boat         .t2         17.000         17.000         17.000         17.000           boat         .t2         17.000         17.000         17.000         17.000           boat         .t3         17.000         17.000         17.000         17.000           boat         .t4         17.000         17.000         17.000         17.000           boat         .t5         17.000         17.000         17.000         17.000           boat         .t6         17.000         17.000         17.000         17.000 <td>boat</td> <td>.t5</td> <td>17.000</td> <td>17.000</td> <td>17.000</td> <td></td>   | boat           | .t5      | 17.000      | 17.000       | 17.000                                  |        |
| Doat   |                |          |             |              |   |        |
| Doat   |                |          |             |              |   |        |
| boat         .t10         17.000   |                |          |             |              |   |        |
| boat         .t11         17.000   |                |          |             |              |   |        |
| Hoat   |                |          |             |              |   |        |
| boat   | boat           | .t12     | 17.000      | 17.000       | 17.000                                  | 17.000 |
| boat         .t2         17.000  |                | +        | у9          | y10          | y11                                     | y12    |
| boat         .t2         17.000  | boat           | .t.1     | 17.000      | 17.000       | 17.000                                  | 17.000 |
| boat         .t4         17.000  |                |          |             |              |   |        |
| boat         .t5         17.000  | boat           | .t3      | 17.000      | 17.000       | 17.000                                  | 17.000 |
| boat         .t6         17.000  |                |          |             |              |   |        |
| boat         .t7         17.000  |                |          |             |              |   |        |
| boat         .t8         17.000  |                |          |             |              |   |        |
| boat         .t9         17.000  |                |          |             |              |   |        |
| boat         .t10         17.000   |                |          |             |              |   |        |
| boat       .t12       17.000  |                |          |             | 17.000       |   | 17.000 |
| + y13 y14 y15  boat .t1 17.000 17.000 17.000 boat .t2 17.000 17.000 17.000 boat .t3 17.000 17.000 17.000 boat .t4 17.000 17.000 17.000 boat .t5 17.000 17.000 17.000   |                |          |             |              |   |        |
| boat .t1 17.000 17.000 17.000<br>boat .t2 17.000 17.000 17.000<br>boat .t3 17.000 17.000 17.000<br>boat .t4 17.000 17.000 17.000<br>boat .t5 17.000 17.000 17.000  | boat           | .t12     | 17.000      | 17.000       | 17.000                                  | 17.000 |
| boat     .t2     17.000     17.000     17.000       boat     .t3     17.000     17.000     17.000       boat     .t4     17.000     17.000     17.000       boat     .t5     17.000     17.000     17.000  |                | +        | y13         | y14          | y15                                     |        |
| boat     .t2     17.000     17.000     17.000       boat     .t3     17.000     17.000     17.000       boat     .t4     17.000     17.000     17.000       boat     .t5     17.000     17.000     17.000  | boat           | .t1      | 17.000      | 17.000       | 17.000                                  |        |
| boat     .t3     17.000     17.000     17.000       boat     .t4     17.000     17.000     17.000       boat     .t5     17.000     17.000     17.000  |                |          |             |              |   |        |
| boat .t5 17.000 17.000 17.000  | boat           |          |             |              |   |        |
|  |                |          |             |              |   |        |
|  |                |          |             | 1/.000       | 1/.000                                  |        |

| 25/07/2018                                   |            |              | NEOS Job #6 | 179566 |
|--|------------|--------------|-------------|--------|
| truckCOOL_XL_own.t10<br>truckCOOL XL own.t11 | 17.000     | 17.000       |             | 17.000 |
| truckCOOL_XL_own.t12                         | _,,,,,,    | 17.000       | 17.000      |        |
| +  | y13        | y14          | y15         |        |
| truck_XL_own .t1                             | 17.000     |              |             |        |
| truck XL own .t3                             |            | 17.000       | 17.000      |        |
| truck XL own .t4                             | 17.000     |              |             |        |
| truck XL own .t5                             |            | 17.000       | 17.000      |        |
| truck_XL_own .t6                             | 17.000     |              | 17.000      |        |
| truck_XL_own .t7                             |            |              | 17.000      |        |
| truck XL own .t8                             | 17.000     | 17.000       |             |        |
| truck XL own .t9                             | 17.000     | 17.000       | 17.000      |        |
| truck XL own .t10                            | 17.000     | 17.000       | 17.000      |        |
| truck XL own .t12                            | 17.000     |              |             |        |
| truckCOOL XL own.t1                          |            | 17.000       | 17.000      |        |
| truckCOOL XL own.t2                          | 17.000     | 17.000       | 17.000      |        |
| truckCOOL XL own.t3                          | 17.000     |              |             |        |
| truckCOOL XL own.t4                          |            | 17.000       | 17.000      |        |
| truckCOOL XL own.t5                          | 17.000     |              |             |        |
| truckCOOL XL own.t6                          |            | 17.000       |             |        |
| truckCOOL_XL_own.t7                          | 17.000     | 17.000       |             |        |
| truckCOOL XL own.t8                          |            |              | 17.000      |        |
| truckCOOL XL own.t11                         | 17.000     | 17.000       | 17.000      |        |
| truckCOOL_XL_own.t12                         |            | 17.000       | 17.000      |        |
| INDEX 1 = portBR INDEX                       | 2 = airBR  | INDEX 3 = p2 |             |        |
|  | <b>y</b> 1 | y2           | у4          | у6     |
| truck XL own .t1                             |            |              |             | 17.000 |
| truck XL own .t11                            |            |              | 17.000      |        |
| truck XL own .t12                            | 17.000     |              | 17.000      | 17.000 |
| truckCOOL XL own.t2                          |            |              | 17.000      | 17.000 |
| truckCOOL XL own.t4                          |            | 17.000       |             |        |
| truckCOOL XL own.t10                         |            |              | 17.000      |        |
| truckCOOL_XL_own.t11                         |            | 17.000       |             |        |
| +  | у7         | у8           |             |        |
| truck_XL_own .t4                             |            | 17.000       |             |        |
| truck_XL_own .t5                             | 17.000     |              |             |        |
| truckCOOL_XL_own.t3                          |            | 17.000       |             |        |

---- 1219 VARIABLE Forming.L Forming scenario s is active

p2 1.000

--- 1219 VARIABLE MatOrder.L Order quantity of material m from supplier i t o plant f in day d (in units)

INDEX 1 = i1 INDEX 2 = f1

|         |            |         |         |         | _       | _       |
|---------|------------|---------|---------|---------|---------|---------|
|         | <b>y</b> 1 | y2      | у3      | у4      | у5      | у6      |
| rm2.t1  | 226.839    | 230.746 |         |         | 132.134 | 132.134 |
| rm2.t2  |            | 33.522  | 132.134 |         | 132.134 | 132.134 |
| rm2.t3  | 132.134    |         | 132.134 |         | 264.268 | 132.134 |
| rm2.t4  |            | 132.134 | 132.134 |         |         | 178.791 |
| rm2.t5  |            | 132.134 |         | 132.134 | 132.134 | 200.892 |
| rm2.t6  | 132.134    |         | 27.116  | 264.268 |         | 16.719  |
| rm2.t7  | 132.134    | 132.134 |         |         |         |         |
| rm2.t8  | 132.134    | 132.134 |         | 229.927 |         | 132.134 |
| rm2.t9  |            | 132.134 | 132.134 | 34.341  |         | 132.134 |
| rm2.t10 | 132.134    | 264.268 |         |         |         | 200.892 |
| rm2.t11 | 132.134    |         |         |         |         | 63.376  |
| rm2.t12 | 132.134    | 132.134 |         |         |         |         |
| rm3.t1  | 21.317     |         | 12.417  |         |         |         |
| rm3.t2  |            | 3.150   | 12.417  | 12.417  | 12.417  |         |
| rm3.t3  | 12.417     | 12.417  | 12.417  | 12.417  | 24.835  | 12.417  |
| rm3.t4  |            | 12.417  |         | 12.417  |         | 16.802  |
| rm3.t5  |            | 12.417  | 22.287  | 12.417  |         | 18.879  |
| rm3.t6  | 12.417     |         | 2.548   | 24.835  | 22.440  |         |
| rm3.t7  | 12.417     | 12.417  | 24.835  |         |         | 12.417  |
| rm3.t8  |            |         |         | 21.608  | 12.417  | 12.417  |

| 25/07/2018         |                    |                   |                    | NEOS Job            | #6179566           |                    |
|--------------------|--------------------|-------------------|--------------------|---------------------|--------------------|--------------------|
| rm3.t9             | 12.417             | 12.417            | 12.417             | 3.227               | 12.417             | 12.417             |
| rm3.t10            |                    |                   | 12.417             | 12.417              |                    |                    |
| rm3.t11<br>sp1.t1  | 12.417<br>350.214  |                   | 12.417             | 12.417              |                    | 5.956              |
| sp1.t2             | 330.211            |                   | 204.000            |                     |                    |                    |
| sp1.t4             | 408.000            |                   | 204.000            |                     |                    | 276.034            |
| sp1.t5<br>sp1.t6   |                    | 204.000           | 41.864             | 204.000             |                    | 310.154            |
| spl.to             |                    |                   | 41.004             |                     | 39.343             |                    |
| spl.t8             |                    |                   |                    | 354.981             | 204.000            |                    |
| sp1.t9             |                    | 204.000           | 204.000            |                     |                    | 010 151            |
| sp1.t10<br>sp1.t12 |                    |                   | 204.000            | 204.000             |                    | 310.154            |
| sp1.t12<br>sp2.t1  |                    | 1068.739          | 204.000            | 204.000             |                    |                    |
| sp2.t2             |                    |                   | 612.000            |                     |                    |                    |
| sp2.t3             | 612.000            | 612 000           |                    | 612.000             |                    | 612.000            |
| sp2.t4<br>sp2.t5   |                    | 612.000           | 1098.408           | 612.000             | 612.000            | 828.101            |
| sp2.t6             |                    |                   | 10301100           |                     | 1105.971           |                    |
| sp2.t7             |                    | 612.000           | 1224.000           |                     |                    |                    |
| sp2.t8<br>sp2.t9   | 612.000<br>612.000 |                   | 612.000            | 1064.942<br>159.058 |                    |                    |
| sp2.t9<br>sp2.t10  | 612.000            |                   | 612.000            | 139.036             |                    | 930.462            |
| sp2.t11            |                    |                   |                    |                     | 612.000            |                    |
| sp2.t12            | 612.000            | 612.000           | 612.000            |                     |                    |                    |
| +                  | у7                 | У8                | у9                 | y10                 | y11                | y12                |
| rm2.t1             | 132.134            | 132.134           | 132.134            | 132.134             | 132.134            | 132.134            |
| rm2.t2             | 200.892            | 200.892           | 132.134            | 132.134             | 132.134            | 132.134            |
| rm2.t3<br>rm2.t4   | 63.376<br>132.134  | 63.376<br>132.134 | 132.134<br>132.134 | 132.134<br>132.134  | 132.134<br>132.134 | 132.134<br>132.134 |
| rm2.t5             | 182.117            | 132.134           | 132.134            | 132.134             | 132.134            | 132.134            |
| rm2.t6             |                    |                   | 132.134            | 132.134             | 132.134            | 132.134            |
| rm2.t7             | 13.394             | 132.134           | 132.134            | 132.134             | 132.134            | 132.134            |
| rm2.t8<br>rm2.t9   | 132.134            |                   | 132.134<br>132.134 | 132.134<br>132.134  | 132.134<br>132.134 | 132.134<br>132.134 |
| rm2.t10            |                    |                   | 132.134            | 132.134             | 132.134            | 132.134            |
| rm2.t11            |                    | 200.892           | 132.134            | 132.134             | 132.134            | 132.134            |
| rm2.t12<br>rm3.t1  | 132.134            | 12.417            | 132.134            | 132.134             | 132.134            | 132.134<br>12.417  |
| rm3.t2             | 12.417             | 18.879            | 12.417<br>12.417   | 12.417<br>12.417    | 12.417<br>12.417   | 12.417             |
| rm3.t3             | 5.956              |                   | 12.417             | 12.417              | 12.417             | 12.417             |
| rm3.t4             | 12.417             |                   | 12.417             | 12.417              | 12.417             | 12.417             |
| rm3.t5<br>rm3.t6   | 17.115             | 12.417            | 12.417<br>12.417   | 12.417<br>12.417    | 12.417<br>12.417   | 12.417<br>12.417   |
| rm3.t7             | 1.259              | 12.417            | 12.417             | 12.417              | 12.417             | 12.417             |
| rm3.t8             | 12.417             |                   | 12.417             | 12.417              | 12.417             | 12.417             |
| rm3.t9             | 10 417             | 17 005            | 12.417             | 12.417              | 12.417             | 12.417             |
| rm3.t10<br>rm3.t11 | 12.417<br>12.417   | 17.085<br>18.879  | 12.417<br>12.417   | 12.417<br>12.417    | 12.417<br>12.417   | 12.417<br>12.417   |
| rm3.t12            | 12.417             | 1.289             | 12.417             | 12.417              | 12.417             | 12.417             |
| sp1.t1             |                    |                   | 204.000            | 204.000             | 204.000            | 204.000            |
| sp1.t2             |                    |                   | 204.000<br>204.000 | 204.000<br>204.000  | 204.000            | 204.000            |
| sp1.t3<br>sp1.t4   |                    |                   | 204.000            | 204.000             | 204.000            | 204.000            |
| sp1.t5             |                    |                   | 204.000            | 204.000             | 204.000            | 204.000            |
| sp1.t6             |                    |                   | 204.000            | 204.000             | 204.000            | 204.000            |
| sp1.t7<br>sp1.t8   | 204.000            |                   | 204.000<br>204.000 | 204.000<br>204.000  | 204.000            | 204.000            |
| sp1.t0             | 204.000            |                   | 204.000            | 204.000             | 204.000            | 204.000            |
| sp1.t10            |                    |                   | 204.000            | 204.000             | 204.000            | 204.000            |
| sp1.t11            | 204.000            |                   | 204.000            | 204.000             | 204.000            | 204.000            |
| sp1.t12<br>sp2.t1  |                    |                   | 204.000<br>612.000 | 204.000<br>612.000  | 204.000<br>612.000 | 204.000<br>612.000 |
| sp2.t1             | 930.462            | 930.462           | 612.000            | 612.000             | 612.000            | 612.000            |
| sp2.t3             |                    |                   | 612.000            | 612.000             | 612.000            | 612.000            |
| sp2.t4             | 612.000            |                   | 612.000            | 612.000             | 612.000            | 612.000            |
| sp2.t5<br>sp2.t6   | 843.502            | 612.000           | 612.000<br>612.000 | 612.000<br>612.000  | 612.000<br>612.000 | 612.000<br>612.000 |
| sp2.t7             | 62.036             | 1111000           | 612.000            | 612.000             | 612.000            | 612.000            |
| sp2.t8             |                    |                   | 612.000            | 612.000             | 612.000            | 612.000            |
| sp2.t9<br>sp2.t10  | 612.000            |                   | 612.000<br>612.000 | 612.000<br>612.000  | 612.000<br>612.000 | 612.000<br>612.000 |
| sp2.t10<br>sp2.t11 | 612.000            | 930.462           | 612.000            | 612.000             | 612.000            | 612.000            |
| sp2.t12            | 612.000            | 63.514            | 612.000            | 612.000             | 612.000            | 612.000            |
| +                  | y13                | y14               | y15                |                     |                    |                    |

| rm2.t1    | 132.134           | 132.134           | 132.134           |         |            |         |
|-----------|-------------------|-------------------|-------------------|---------|------------|---------|
| rm2.t2    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t3    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t4    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t5    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t6    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t7    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t8    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t9    | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t10   | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t11   | 132.134           | 132.134           | 132.134           |         |            |         |
| rm2.t12   |                   |                   |                   |         |            |         |
| rm3.t1    | 132.134<br>12.417 | 132.134<br>12.417 | 132.134<br>12.417 |         |            |         |
| rm3.t2    |                   |                   |                   |         |            |         |
| rm3.t3    | 12.417            | 12.417            | 12.417            |         |            |         |
|           | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t4    | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t5    | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t6    | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t7    | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t8    | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t9    | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t10   | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t11   | 12.417            | 12.417            | 12.417            |         |            |         |
| rm3.t12   | 12.417            | 12.417            | 12.417            |         |            |         |
| sp1.t1    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t2    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t3    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t4    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t5    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t6    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t7    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t8    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t9    | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t10   | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t11   | 204.000           | 204.000           | 204.000           |         |            |         |
| sp1.t12   | 204.000           | 204.000           | 204.000           |         |            |         |
| sp2.t1    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t2    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t3    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t4    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t5    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t6    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t7    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t8    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t9    | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t10   | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t11   | 612.000           | 612.000           | 612.000           |         |            |         |
| sp2.t12   | 612.000           | 612.000           | 612.000           |         |            |         |
|           |                   |                   |                   |         |            |         |
| INDEX 1 = | i3 INDEX 2        | = f1              |                   |         |            |         |
|           |                   |                   |                   |         |            |         |
|           | <b>y</b> 1        | y2                | у3                | y4      | <b>y</b> 5 | у6      |
|           |                   |                   |                   |         |            |         |
| rm2.t1    |                   |                   | 132.134           | 132.134 |            |         |
| rm2.t2    | 37.429            |                   |                   | 132.134 |            |         |
| rm2.t3    |                   | 132.134           |                   | 132.134 |            |         |
| rm2.t4    | 264.268           |                   |                   | 132.134 |            |         |
| rm2.t5    |                   |                   | 237.152           |         |            |         |
| rm2.t6    |                   | 132.134           |                   |         | 238.785    |         |
| rm2.t7    |                   |                   | 264.268           |         | 25.483     | 132.134 |
| rm2.t8    |                   |                   |                   |         | 132.134    |         |
| rm2.t9    | 132.134           |                   |                   |         | 132.134    |         |
| rm2.t10   |                   |                   | 132.134           | 132.134 | 132.134    |         |
| rm2.t11   |                   |                   | 132.134           | 132.134 | 132.134    |         |
| rm2.t12   |                   |                   | 132.134           | 132.134 | 132.134    | 132.134 |
| rm3.t1    |                   | 21.685            |                   | 12.417  | 12.417     | 12.417  |
| rm3.t2    | 3.517             |                   |                   |         |            | 12.417  |
| rm3.t4    | 24.835            |                   | 12.417            |         |            |         |
| rm3.t5    |                   |                   |                   |         | 12.417     |         |
| rm3.t6    |                   | 12.417            |                   |         |            | 1.571   |
| rm3.t7    |                   |                   |                   |         | 2.395      | -       |
| rm3.t8    | 12.417            | 12.417            |                   |         |            |         |
| rm3.t10   | 12.417            | 24.835            |                   |         | 12.417     | 18.879  |
| rm3.t11   |                   |                   |                   |         | 12.417     |         |
| rm3.t12   | 12.417            | 12.417            | 12.417            | 12.417  | 12.417     | 12.417  |
| sp1.t1    |                   | 356.246           | 204.000           | 204.000 | 204.000    | 204.000 |
| sp1.t2    | 57.786            | 51.754            |                   | 204.000 | 204.000    | 204.000 |
| -         |                   |                   |                   |         |            |         |

| 25/07/2018         |                    |                     |                    | NEOS Jo           | b #6179566         |                 |
|--------------------|--------------------|---------------------|--------------------|-------------------|--------------------|-----------------|
| sp1.t3             | 204.000            | 204.000             | 204.000            | 204.000           | 408.000            | 204.000         |
| sp1.t4             |                    | 204.000             | 266 126            | 204.000           | 204 000            |                 |
| sp1.t5<br>sp1.t6   | 204.000            | 204.000             | 366.136            | 408.000           | 204.000<br>368.657 | 25.812          |
| sp1.t7             | 204.000            | 204.000             | 408.000            |                   |                    | 204.000         |
| sp1.t8             | 204.000            | 204.000             |                    | F2 010            | 204 200            | 204.000         |
| sp1.t9<br>sp1.t10  | 204.000<br>204.000 | 408.000             | 204.000            | 53.019<br>204.000 | 204.000<br>204.000 | 204.000         |
| sp1.t10            | 204.000            | 400.000             | 204.000            | 204.000           | 204.000            | 97.846          |
| sp1.t12            | 204.000            | 204.000             |                    |                   | 204.000            | 204.000         |
| sp2.t1             | 1050.643           |                     | 612.000            | 612.000           | 612.000            | 612.000         |
| sp2.t2             | 173.357            | 155.261             | 612 000            | 612.000           | 612.000            | 612.000         |
| sp2.t3<br>sp2.t4   | 1224.000           | 612.000             | 612.000<br>612.000 |                   | 1224.000           |                 |
| sp2.t4<br>sp2.t5   | 1224.000           | 612.000             | 012.000            | 612.000           |                    | 930.462         |
| sp2.t6             | 612.000            | 612.000             | 125.592            | 1224.000          |                    | 77.437          |
| sp2.t7             | 612.000            |                     |                    |                   | 118.029            | 612.000         |
| sp2.t8             |                    | 612.000             |                    |                   | 612.000            | 612.000         |
| sp2.t9<br>sp2.t10  |                    | 612.000<br>1224.000 |                    | 612.000           | 612.000<br>612.000 | 612.000         |
| sp2.t10            | 612.000            | 1224.000            | 612.000            | 612.000           | 012.000            | 293.538         |
| sp2.t12            | 0121000            |                     | 0121000            | 612.000           | 612.000            | 612.000         |
| _                  |                    |                     |                    |                   |                    |                 |
| +                  | у7                 | У8                  |                    |                   |                    |                 |
| rm2.t5             |                    | 132.134             |                    |                   |                    |                 |
| rm2.t6             | 200.892            | 132.134             |                    |                   |                    |                 |
| rm2.t8             |                    | 132.134             |                    |                   |                    |                 |
| rm2.t9             | 132.134            | 132.134             |                    |                   |                    |                 |
| rm2.t10            | 132.134            | 181.797             |                    |                   |                    |                 |
| rm2.t11<br>rm2.t12 | 132.134            | 13.713              |                    |                   |                    |                 |
| rm3.t2             | 18.879             | 13./13              |                    |                   |                    |                 |
| rm3.t3             |                    | 5.956               |                    |                   |                    |                 |
| rm3.t4             |                    | 12.417              |                    |                   |                    |                 |
| rm3.t5             | 10 070             | 12.417              |                    |                   |                    |                 |
| rm3.t6<br>rm3.t8   | 18.879             | 12.417              |                    |                   |                    |                 |
| rm3.t9             | 12.417             | 12.417              |                    |                   |                    |                 |
| sp1.t1             | 204.000            | 204.000             |                    |                   |                    |                 |
| sp1.t2             | 310.154            | 310.154             |                    |                   |                    |                 |
| sp1.t3             | 97.846             | 97.846              |                    |                   |                    |                 |
| sp1.t4<br>sp1.t5   | 204.000<br>281.167 | 204.000<br>204.000  |                    |                   |                    |                 |
| spl.t5             | 310.154            | 204.000             |                    |                   |                    |                 |
| sp1.t7             | 20.679             | 204.000             |                    |                   |                    |                 |
| sp1.t8             |                    | 204.000             |                    |                   |                    |                 |
| sp1.t9             | 204 000            | 204.000             |                    |                   |                    |                 |
| sp1.t10<br>sp1.t11 | 204.000            | 280.675<br>310.154  |                    |                   |                    |                 |
| sp1.t12            | 204.000            | 21.171              |                    |                   |                    |                 |
| sp2.t1             | 612.000            | 612.000             |                    |                   |                    |                 |
| sp2.t3             | 293.538            | 293.538             |                    |                   |                    |                 |
| sp2.t4             |                    | 612.000             |                    |                   |                    |                 |
| sp2.t5<br>sp2.t6   | 930.462            | 612.000             |                    |                   |                    |                 |
| sp2.t7             | 200.102            | 612.000             |                    |                   |                    |                 |
| sp2.t8             | 612.000            | 612.000             |                    |                   |                    |                 |
| sp2.t9             |                    | 612.000             |                    |                   |                    |                 |
| sp2.t10            | 612.000            | 842.024             |                    |                   |                    |                 |
| 12                 | 19 VARIABLE :      | StockLevel.L        | Amount of          | material m        | stored in fac      | ility w in      |
|                    |                    |                     | day d              |                   |                    |                 |
| INDEX 1 =          | f1                 |                     |                    |                   |                    |                 |
|                    | <b>y</b> 1         | y2                  | у3                 | y4                | у5                 | у6              |
| p2 .t1             | 12.185             | 12.687              |                    |                   |                    |                 |
| p2 .t3             | 4                  |                     |                    |                   | 17.000             |                 |
| p2 .t4<br>p2 .t5   | 17.000             |                     | 13.511             |                   |                    | 6.003<br>14.849 |
| p2 .t5<br>p2 .t6   |                    |                     | 10.011             | 17.000            | 13.721             | 14.047          |
| p2 .t7             |                    |                     | 17.000             |                   | •                  |                 |
| p2 .t8             |                    | 1                   |                    | 12.582            |                    |                 |
| p2 .t10            |                    | 17.000              |                    |                   |                    | 8.846           |

у7 у8 p2 .t2 8.846 8.846 p2 .t5 6.431 p2 .t6 p2 .t10 p2 .t11 15.277 6.390 15.236

1219 VARIABLE vFixedCapInvest.L Fixed capital investment of each invest ment gamma

550000.000, fac equip 7.506514E+8

1219 VARIABLE vCashFlow.L Cash Flow

y11 -4.52684E+6, y9 -4.52024E+6, y10 -4.52024E+6, y12 -4.52684E+6 y13 -4.52684E+6, y14 -4.52684E+6, y15 -4.22434E+6

1219 VARIABLE HireResource.L Hire resource

у1

1.000 ο2

04 1.000

11 3.000

1219 VARIABLE FireResource.L Fire resource

у6

11 1.000

1219 VARIABLE Manuf NrResource.L Number of resources to hire for line f in period t

|    | <b>y</b> 1 | y2    | у3    | y4    | у5    | у6    |
|----|------------|-------|-------|-------|-------|-------|
| 02 | 1.000      | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 04 | 1.000      | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 11 | 3.000      | 3.000 | 3.000 | 3.000 | 3.000 | 2.000 |
| +  | у7         | у8    | у9    | y10   | y11   | y12   |
| 02 | 1.000      | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 04 | 1.000      | 1.000 | 1.000 | 1.000 | 1.000 | 1.000 |
| 11 | 2.000      | 2.000 | 2.000 | 2.000 | 2.000 | 2.000 |
| +  | y13        | y14   | y15   |       |       |       |
| 02 | 1.000      | 1.000 | 1.000 |       |       |       |
| 04 | 1.000      | 1.000 | 1.000 |       |       |       |
| 11 | 2.000      | 2.000 | 2.000 |       |       |       |

1219 VARIABLE NrTrips.L Number of trips with transportation mode trm be tween entity lo and entity ld in time period (d

INDEX 1 = truck own INDEX 2 = i1

|                                  |  | y1          | y2    | y4    | <b>y</b> 5 | у6             |
|----------------------------------|--|-------------|-------|-------|------------|----------------|
| f1<br>f1<br>f1<br>f1<br>f1<br>f1 | .t1<br>.t2<br>.t3<br>.t4<br>.t8<br>.t9 | 1.224 1.224 | 1.224 | 0.710 | 0.505      | 0.505<br>1.224 |

у7

f1

1.224

| 25/07/201 | .8         |                |                |       | NEOS Job #6179: | 566        |
|-----------|------------|----------------|----------------|-------|-----------------|------------|
| f1        | .t11       | 1.632          |                |       |                 |            |
| f1        | .t12       | 0.505          |                |       |                 |            |
|           |            |                |                |       |                 |            |
| INDEX     | 1 = tru    | ck_own INDE    | X 2 = i3       |       |                 |            |
|           |            | 1              | 2              | 4     |                 |            |
|           |            | у1             | у3             | y4    | <b>y</b> 5      | у6         |
| f1        | .t3        | 0.408          |                | 0.408 |                 |            |
| f1        | .t6        | 0.400          |                | 0.400 | 0.737           |            |
| f1        | .t7        |                |                |       | 0.737           | 1.632      |
| f1        | .t8        |                |                |       |                 | 1.224      |
| f1        | .t9        | 0.505          |                | 0.106 |                 | 1.224      |
| f1        | .t10       |                |                | 1.632 |                 |            |
| f1        | .t11       |                | 0.408          |       |                 |            |
|           |            | _              |                |       |                 |            |
|           | +          | у7             | у8             |       |                 |            |
| £1        | <b>+</b> 1 |                | 1 224          |       |                 |            |
| f1<br>f1  | .t1<br>.t3 | 0.196          | 1.224          |       |                 |            |
| f1        | .t10       | 1.224          | 0.561          |       |                 |            |
|           | • 610      | 1,221          | 0.301          |       |                 |            |
| INDEX     | 1 = tru    | ck_out INDE    | X 2 = i1       |       |                 |            |
|           |            | _              |                |       |                 |            |
|           |            | y2             | у3             | y4    | <b>y</b> 5      | у6         |
|           |            |                |                |       |                 |            |
| f1        | .t1        |                |                |       |                 | 0.505      |
| f1        | .t2        | 0 400          | 0.505          |       |                 | 0.760      |
| f1<br>f1  | .t5<br>.t6 | 0.408          |                |       | 2 212           | 0.768      |
| f1        | .to        |                |                |       | 2.212<br>0.079  |            |
| f1        | .t8        |                |                | 0.879 | 0.075           |            |
| f1        | .t9        |                | 1.224          | 000,5 |                 |            |
| f1        | .t10       |                |                |       |                 | 1.861      |
| f1        | .t12       | 1.224          |                |       |                 |            |
|           |            |                |                |       |                 |            |
|           | +          | у7             | У8             |       |                 |            |
| £1        | ± 4        | 1 224          |                |       |                 |            |
| f1<br>f1  | .t4<br>.t7 | 1.224<br>0.124 |                |       |                 |            |
| f1        | .t11       | 0.124          | 0.768          |       |                 |            |
|           | • • • •    |                | 0.700          |       |                 |            |
| INDEX     | 1 = tru    | ck out INDE    | X 2 = i3       |       |                 |            |
|           |            | _              |                |       |                 |            |
|           |            | <b>y</b> 1     | y2             | у3    | y4              | <b>y</b> 5 |
|           |            |                |                |       |                 |            |
| f1        | .t1        |                |                |       | 1.224           | 1.224      |
| f1        | .t2        |                | 0 505          |       | 0.505           | 0.816      |
| f1<br>f1  | .t3<br>.t4 | 2.448          | 0.505          |       |                 | 0.816      |
| f1        | .t5        | 2.440          |                |       | 1.224           | 0.408      |
| f1        | .t6        |                |                |       | 0.816           | 0.100      |
| f1        | .t11       |                |                | 1.224 |                 |            |
| f1        | .t12       |                |                |       |                 | 0.505      |
|           |            |                |                |       |                 |            |
|           | +          | у6             | У8             |       |                 |            |
| £1        | <b>_</b>   | 1 061          | 0 505          |       |                 |            |
| f1<br>f1  | .t5<br>.t6 | 1.861          | 0.505          |       |                 |            |
| f1<br>f1  | .t6        | 0.155<br>0.505 |                |       |                 |            |
| f1        | .t/        | 0.505          | 0.408          |       |                 |            |
| f1        | .t9        |                | 1.632          |       |                 |            |
| f1        | .t10       |                | 2.379          |       |                 |            |
| f1        | .t11       | 0.196          | 0.620          |       |                 |            |
|           |            |                |                |       |                 |            |
| INDEX     | 1 = tru    | ckCOOL_own     | INDEX $2 = i1$ |       |                 |            |
|           |            | 1              | 2              | 2     | 4               |            |
|           |            | <b>y</b> 1     | y2             | у3    | y4              | <b>y</b> 5 |
| f1        | .t1        | 0.196          |                |       |                 |            |
| f1        | .t2        | 3.130          |                | 0.114 |                 |            |
| f1        | .t3        |                |                | V.111 |                 | 1.010      |
| f1        | .t4        |                | 0.619          | 0.505 | 1.224           |            |
| f1        | .t5        |                |                |       | 0.505           | 1.224      |
| f1        | .t6        |                |                | 0.104 |                 |            |
| f1        | .t7        | 0.114          |                | 2.448 |                 |            |
| f1        | .t9        |                |                | 0.505 |                 |            |
| f1        | 1 1 0      |                |                |       |                 |            |
|           | .t10       | 0.505          |                |       |                 |            |
| f1        | .t12       | 0.505<br>0.505 |                |       |                 |            |

|   | +   | у6   | у7   | у8   |                                  |  |
|---|---|--|--|--|----------------------------------|--|
| f1  | .t1   | yo   | 0.505  | 0.114  |                                  |  |
| f1  | .t1   |  | 0.768  | 0.114  |                                  |  |
| f1  | .t3   | 0.114<br>0.552   | 0.055  |  |                                  |  |
| f1<br>f1  | .t4<br>.t5  | 0.552  | 0.157  |  |                                  |  |
| f1  | .t6   | 0 114  |  | 1.224  |                                  |  |
| f1<br>f1  | .t7<br>.t8  | 0.114  | 0.114  |  |                                  |  |
| f1  | .t9   | 0.505  | 0 114  |  |                                  |  |
| f1  | .t12  |  | 0.114  |  |                                  |  |
| INDEX   | X 1 = true  | ckCOOL_own   | INDEX 2 = i  | i3   |                                  |  |
|   |   | y1   | у2   | у3   | y4                               | у5                                     |
| f1  | .t4   | 0.228  |  | 0.114  |                                  |  |
| f1<br>f1  | .t5<br>.t6  |  | 0.114  | 0.732  |                                  |  |
| f1  | .t7   |  | 0.408  |  |                                  | 0.258                                  |
| f1<br>f1  | .t8<br>.t10   |  | 0.228  |  | 0.505                            | 1.224<br>0.619                         |
| f1  | .t12  |  | 0.114  | 0.114  | 0.303                            | 0.114                                  |
|   | +   | у6   | у7   | у8   |                                  |  |
|   | •   | γo   | у,   | yo   |                                  |  |
| f1<br>f1  | .t1<br>.t2  | 0.522<br>1.632   | 0.408<br>0.620   |  |                                  |  |
| f1  | .t3   | 1.032  | 0.587  | 0.196  |                                  |  |
| f1<br>f1  | .t5<br>.t6  |  | 0.620  | 0.114  |                                  |  |
| f1  | .t8   |  | 0.020  | 0.505  |                                  |  |
| f1<br>f1  | .t9<br>.t10   | 0.174  | 0.114<br>0.408   |  |                                  |  |
| f1  | .t11  | 0.174  | 0.505  |  |                                  |  |
| INDEX   | X 1 = true  | ckCOOL_out   | INDEX 2 = i  | i1   |                                  |  |
|   |   |  |  |  |                                  |  |
|   |   | v1   | v2   | v3   | v4                               | <b>v</b> 5                             |
| £1  | . 1   | <b>y</b> 1   | y2   | у3   | y4                               | у5                                     |
| f1<br>f1  | .t1<br>.t2  | y1   | y2<br>0.882  | у3   | y4                               | y5<br>0.505                            |
| f1<br>f1  | .t2<br>.t3  | y1<br>0.619  |  |  | y4<br>0.114                      |  |
| f1  | .t2   |  |  | y3<br>0.408                                  |                                  |  |
| f1<br>f1<br>f1<br>f1  | .t2<br>.t3<br>.t4<br>.t5  | 0.619  | 0.882  | 0.408  |                                  | 0.505                                  |
| f1<br>f1<br>f1<br>f1  | .t2<br>.t3<br>.t4<br>.t5  | 0.619  | 0.882  |  |                                  | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1  | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8   | 0.619<br>0.505<br>0.505  | 0.882  | 0.408  | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1  | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7  | 0.619<br>0.505<br>0.505  | 0.882  | 0.408  |                                  | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1                                    | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11  | 0.619<br>0.505<br>0.505<br>1.224                                   | 0.882<br>0.114<br>0.913  | 0.408  | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1                        | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12  | 0.619<br>0.505<br>0.505<br>1.224                                   | 0.882  | 0.408  | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1                        | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12  | 0.619<br>0.505<br>0.505<br>1.224                                   | 0.882<br>0.114<br>0.913  | 0.408  | 0.114                            |  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1            | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+ .t5<br>.t7  | 0.619 0.505 0.505 1.224  y6 0.620 0.114                            | 0.882<br>0.114<br>0.913  | 0.408  | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1            | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+ .t5<br>.t7<br>.t9   | 0.619 0.505 0.505 1.224  y6 0.620                                  | 0.882<br>0.114<br>0.913<br>y7<br>0.051<br>0.408                          | 0.408  | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1      | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+ .t5<br>.t7<br>.t9<br>.t10<br>.t11   | 0.619  0.505 0.505 1.224  y6  0.620  0.114 1.388                   | 0.882 0.114 0.913  y7 0.051 0.408 0.114                                  | 0.408<br>0.228<br>1.224                      | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1      | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+ .t5<br>.t7<br>.t9<br>.t10<br>.t11   | 0.619  0.505 0.505 1.224  y6  0.620 0.114 1.388                    | 0.882  0.114  0.913  y7  0.051 0.408 0.114  INDEX 2 = i                  | 0.408<br>0.228<br>1.224                      | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1      | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+ .t5<br>.t7<br>.t9<br>.t10<br>.t11   | 0.619  0.505 0.505 1.224  y6  0.620  0.114 1.388                   | 0.882 0.114 0.913  y7 0.051 0.408 0.114                                  | 0.408<br>0.228<br>1.224                      | 0.114                            | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+ .t5<br>.t7<br>.t9<br>.t10<br>.t11 X 1 = true                                    | 0.619  0.505 0.505 1.224  y6 0.620 0.114 1.388 ckCOOL_out y1       | 0.882  0.114  0.913  y7  0.051 0.408 0.114  INDEX 2 = i                  | 0.408<br>0.228<br>1.224                      | 0.114<br>0.114<br>y4<br>0.114    | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+ .t5<br>.t7<br>.t9<br>.t10<br>.t11 X 1 = true                                    | 0.619  0.505 0.505 1.224  y6  0.620 0.114 1.388                    | 0.882  0.114  0.913  y7  0.051 0.408 0.114  INDEX 2 = i                  | 0.408<br>0.228<br>1.224                      | 0.114<br>0.114                   | 0.505<br>0.206                         |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f | .t2<br>.t3<br>.t4<br>.t5<br>.t6<br>.t7<br>.t8<br>.t9<br>.t11<br>.t12<br>+<br>.t5<br>.t7<br>.t9<br>.t10<br>.t11<br>X 1 = truck<br>.t1<br>.t2<br>.t4<br>.t5 | 0.619  0.505 0.505 1.224  y6 0.620 0.114 1.388 ckCOOL_out y1       | 0.882  0.114  0.913  y7  0.051 0.408  0.114  INDEX 2 = 3  y2             | 0.408<br>0.228<br>1.224                      | 0.114<br>0.114<br>y4<br>0.114    | 0.505                                  |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f | .t2 .t3 .t4 .t5 .t6 .t7 .t8 .t9 .t11 .t12  + .t5 .t7 .t9 .t10 .t11  X 1 = true  .t1 .t2 .t4 .t5 .t6 .t7   | 0.619  0.505 0.505 1.224  y6 0.620 0.114 1.388 ckCOOL_out y1       | 0.882  0.114  0.913  y7  0.051 0.408  0.114  INDEX 2 = 1                 | 0.408<br>0.228<br>1.224                      | 0.114<br>0.114<br>y4<br>0.114    | 0.505<br>0.206<br>y5<br>0.114<br>0.097 |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f | .t2 .t3 .t4 .t5 .t6 .t7 .t8 .t9 .t11 .t12  + .t5 .t7 .t9 .t10 .t11  X 1 = true  .t1 .t2 .t4 .t5 .t6 .t7 .t8   | 0.619  0.505 0.505 1.224  y6 0.620 0.114 1.388 ckCOOL_out y1 0.462 | 0.882  0.114  0.913  y7  0.051 0.408 0.114  INDEX 2 = 3  y2  0.408 0.505 | 0.408<br>0.228<br>1.224<br>i3<br>y3<br>0.505 | 0.114<br>0.114<br>y4<br>0.114    | 0.505<br>0.206<br>y5                   |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f | .t2 .t3 .t4 .t5 .t6 .t7 .t8 .t9 .t11 .t12  + .t5 .t7 .t9 .t10 .t11  X 1 = true  .t1 .t2 .t4 .t5 .t6 .t7 .t8 .t10 .t11                                     | 0.619  0.505 0.505 1.224  y6 0.620 0.114 1.388 ckCOOL_out y1 0.462 | 0.882  0.114  0.913  y7  0.051 0.408  0.114  INDEX 2 = 3  y2             | 0.408<br>0.228<br>1.224<br>i3<br>y3<br>0.505 | 0.114<br>0.114<br>y4<br>0.114    | 0.505<br>0.206<br>y5<br>0.114<br>0.097 |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f1<br>f | .t2 .t3 .t4 .t5 .t6 .t7 .t8 .t9 .t11 .t12  + .t5 .t7 .t9 .t10 .t11  X 1 = true  .t1 .t2 .t4 .t5 .t6 .t7 .t8 .t1 .t1 .t2 .t4 .t5 .t6 .t7 .t8 .t10          | 0.619  0.505 0.505 1.224  y6 0.620 0.114 1.388 ckCOOL_out y1 0.462 | 0.882  0.114  0.913  y7  0.051 0.408 0.114  INDEX 2 = 3  y2  0.408 0.505 | 0.408<br>0.228<br>1.224<br>i3<br>y3<br>0.505 | 0.114<br>0.114<br>0.114<br>0.408 | 0.505<br>0.206<br>y5<br>0.114<br>0.097 |

| f1                               | .t1  | 1.224                |                | 0.408          |                |                |
|----------------------------------|--|----------------------|----------------|----------------|----------------|----------------|
| f1                               | .t2  | 0.114                | 0.174          |                |                |                |
| f1                               | .t3  | 0.408                |                | 0.055          |                |                |
| f1                               | .t6  | 0.014                | 0.768          | 0.505          |                |                |
| f1                               | .t7  |                      |                | 1.224          |                |                |
| f1                               | .t8  | 0 400                | 0.505          | 1.224          |                |                |
| f1                               | .t9  | 0.408                | 0.505          |                |                |                |
| f1                               | .t12   | 0.408                | 0.408          |                |                |                |
| TNDEX                            | ( 1 = t.ru                                     | ck XL own            | INDEX 2 = i1   |                |                |                |
|                                  |  |                      |                |                |                |                |
|                                  |  | y1                   | y2             | у3             | y4             | у7             |
|                                  |  |                      |                |                |                |                |
| f1                               | .t1  | 0.438                |                |                |                |                |
| f1                               | .t3  | 0 510                |                | 0.316          |                |                |
| f1                               | .t4  | 0.510                | 0 216          | 1 272          |                |                |
| f1<br>f1                         | .t5<br>.t6                                     |                      | 0.316          | 1.373<br>0.052 |                |                |
| f1                               | .t8  |                      | 0.316          | 0.032          |                | 0.316          |
| f1                               | .t10   |                      |                | 0.765          |                |                |
| f1                               | .t11   | 0.316                |                |                |                |                |
| f1                               | .t12   | 0.765                | 0.316          |                | 0.255          | 0.765          |
|                                  |  |                      |                |                |                |                |
|                                  | +  | у8                   | у9             | y10            | y11            | y12            |
| £1                               | <b>⊥</b> 1                                     |                      | 1 226          | 1 226          | 1.336          | 1 226          |
| f1<br>f1                         | .t1<br>.t2                                     |                      | 1.336<br>1.336 | 1.336<br>1.336 | 1.336          | 1.336<br>1.336 |
| f1                               | .t3  |                      | 1.336          | 1.336          | 1.336          | 1.336          |
| f1                               | .t4  | 0.316                | 1.336          | 1.336          | 1.336          | 1.336          |
| f1                               | .t5  |                      | 1.336          | 1.336          | 1.336          | 1.336          |
| f1                               | .t6  |                      | 1.336          | 1.336          | 1.336          | 1.336          |
| f1                               | .t7  |                      | 1.336          | 1.336          | 1.336          | 1.336          |
| f1                               | .t8  |                      | 1.336          | 1.336          | 1.336          | 1.336          |
| f1                               | .t9  |                      | 1.336          | 1.336          | 1.336          | 1.336          |
| f1                               | .t10   |                      | 1.336          | 1.336          | 1.336          | 1.336          |
| f1<br>f1                         | .t11<br>.t12                                   | 0.079                | 1.336<br>1.336 | 1.336<br>1.336 | 1.336<br>1.336 | 1.336<br>1.336 |
| 11                               | • 612  | 0.079                | 1.550          | 1.550          | 1.550          | 1.330          |
|                                  | +  | y13                  | y14            | y15            |                |                |
|                                  |  | _                    | _              | _              |                |                |
| f1                               | .t1  | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t2  | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t3  | 1.336                | 1.336          | 1.336          |                |                |
| fl<br>fl                         | .t4<br>.t5                                     | 1.336<br>1.336       | 1.336<br>1.336 | 1.336<br>1.336 |                |                |
| f1                               | .t6  | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t7  | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t8  | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t9  | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t10   | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t11   | 1.336                | 1.336          | 1.336          |                |                |
| f1                               | .t12   | 1.336                | 1.336          | 1.336          |                |                |
| TNDEX                            | 7 1 = +rii                                     | ck XL own            | INDEX 2 = i3   |                |                |                |
| 11(00)                           |  | on_nn_own            | 111,0011 2 10  |                |                |                |
|                                  |  | y1                   | y2             | у3             | y4             | y5             |
|                                  |  |                      |                |                |                |                |
| f1                               | .t1  |                      |                |                | 0.571          |                |
| f1                               | .t2  |                      | 0.259          |                |                | 0.765          |
| f1<br>f1                         | .t3<br>.t4                                     |                      |                | 0.765          |                | 1.530          |
| f1                               | .t5  |                      |                | 0.765          |                |                |
| f1                               | .t6  |                      | 1.020          | 0.500          | 1.530          |                |
| f1                               | .t8  |                      | 0.765          |                |                |                |
| f1                               | .t9  | 0.255                |                |                |                | 1.081          |
| f1                               | .t10   |                      |                |                |                | 0.765          |
|                                  |  |                      |                | 0.316          | 0.571          | 0.316          |
| f1                               | .t11   |                      |                |                |                |                |
|                                  |  |                      |                |                |                | 0.255          |
| f1                               | .t11<br>.t12                                   | ***                  | 7              |                |                | 0.255          |
| f1                               | .t11   | у6                   | у7             | у8             |                | 0.255          |
| f1<br>f1                         | .t11<br>.t12                                   | у6                   | y7<br>0.765    |                |                | 0.255          |
| f1                               | .t11<br>.t12                                   | у6                   |                |                |                | 0.255          |
| f1<br>f1<br>f1<br>f1<br>f1       | .t11<br>.t12<br>+<br>.t1<br>.t4<br>.t5         | у6                   | 0.765<br>0.351 | у8             |                | 0.255          |
| f1<br>f1<br>f1<br>f1<br>f1<br>f1 | .t11<br>.t12<br>+<br>.t1<br>.t4<br>.t5<br>.t10 |                      | 0.765          | у8             |                | 0.255          |
| f1<br>f1<br>f1<br>f1<br>f1       | .t11<br>.t12<br>+<br>.t1<br>.t4<br>.t5         | y6<br>0.367<br>0.316 | 0.765<br>0.351 | у8             |                | 0.255          |

| INDEX 1 = t                    | ruck_XL_own | INDEX 2 = f1   |       |                |                |
|--------------------------------|-------------|----------------|-------|----------------|----------------|
|                                | <b>y</b> 1  | y2             | у3    | y4             | у5             |
| portPT.t1                      |             | 4.250          |       | 4.250          |                |
| portPT.t2                      |             |                | 4.250 |                | 4.250          |
| portPT.t3                      | 4.250       | 4.250          | 4.250 | 4.250          |                |
| portPT.t4                      |             | 4.250          |       | 4.250          | 4.250          |
| portPT.t5                      |             |                |       |                | 4.250          |
| portPT.t6                      |             | 4.250          |       | 4.250          | 4.250          |
| portPT.t7                      |             | 4.250          |       |                | 4.250          |
| portPT.t8                      | 4.250       | 4.250          |       | 4.250          |                |
| portPT.t9                      | 4.250       |                |       | 4.250          | 4.250          |
| portPT.t10                     |             | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t11                     |             | 4.250          |       |                | 4.250          |
| portPT.t12                     |             |                | 4.250 | 4.250          |                |
| +                              | у6          | у7             | у8    | у9             | y10            |
|                                |             |                |       | 4 250          | 4 250          |
| portPT.t1                      | 4.250       | 4.250          |       | 4.250<br>4.250 | 4.250<br>4.250 |
| <pre>portPT.t2 portPT.t3</pre> | 4.250       | 4.250          |       | 4.250          | 4.250          |
| _                              | 4 250       | 4 250          | 4.250 |                |                |
| <pre>portPT.t4 portPT.t5</pre> | 4.250       | 4.250<br>4.250 | 4.250 | 4.250<br>4.250 | 4.250<br>4.250 |
| portPT.t6                      |             | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t7                      |             | 4.230          | 4.250 | 4.250          | 4.250          |
| portPT.t8                      | 4.250       |                | 4.230 | 4.250          | 4.250          |
| portPT.t9                      | 4.230       |                | 4.250 | 4.250          | 4.250          |
| portPT.t10                     |             | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t11                     |             | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t12                     | 4.250       | 4.250          |       | 4.250          | 4.250          |
| portri.tiz                     | 4.230       | 4.230          |       | 4.230          | 4.230          |
| +                              | y11         | y12            | y13   | y14            | y15            |
| portPT.t1                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t2                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t3                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t4                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t5                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t6                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t7                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t8                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t9                      | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t10                     | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t11                     | 4.250       | 4.250          | 4.250 | 4.250          | 4.250          |
| portPT.t12                     |             | 4.250          | 4.250 | 4.250          | 4.250          |
| INDEX 1 = t                    | ruck_XL_own | INDEX 2 = airE | 3R    |                |                |
|                                | у2          | y4             | у6    | у8             |                |
| j1 .t1                         |             |                | 4.250 |                |                |
| j1 .t1<br>j1 .t2               |             |                | 4.250 |                |                |
| j1 .t2<br>j1 .t3               |             |                | 4.230 | 4.250          |                |
| j1 .t3<br>j1 .t4               |             |                |       | 4.250          |                |
| j1 .t4<br>j1 .t10              |             | 4.250          |       | 4.230          |                |
| j1 .t11                        | 4.250       | 4.250          |       |                |                |
| j1 .t12                        | 4.250       | 4.230          | 4.250 |                |                |
| )                              |             |                | 1.230 |                |                |
| INDEX 1 = t                    | ruck_XL_own | INDEX 2 = port | BR    |                |                |
|                                | <b>y</b> 1  | y2             | у3    | y4             | у5             |
| j1 .t1                         | 4.250       |                |       |                | 4.250          |
| j1 .t2                         | 4.250       | 4.250          |       |                | 4.250          |
| j1 .t3                         | 4.250       | 4.250          | 4.250 |                | 4.250          |
| j1 .t5                         | 4.250       | 4.250          |       |                |                |
| j1 .t6                         | 4.250       |                |       | 4.250          |                |
| j1 .t7                         |             | 4.250          |       | 4.250          | 4.250          |
| j1 .t8                         |             |                |       | 4.250          | 4.250          |
| j1 .t9                         |             | 4.250          |       | 4.250          |                |
| j1 .t10                        |             |                |       |                | 4.250          |
| j1 .t12                        |             | 4.250          | 4.250 |                | 4.250          |
| airBR .t11                     |             |                |       | 4.250          |                |
| airBR .t12                     | 4.250       |                |       | 4.250          |                |
|                                | .=          | _              | _     | -              |                |
| +                              | у6          | <b>y</b> 7     | У8    | у9             | y10            |

| 23/07/2010     | ,       |               |                |       | 11203 300 #0177 | 500               |
|----------------|---------|---------------|----------------|-------|-----------------|-------------------|
| j1             | .t1     |               | 4.250          | 4.250 | 4.250           |                   |
| j1             | .t2     |               | 4.250          | 4.250 |                 |                   |
| j1             | .t3     | 4.250         |                |       | 4.250           |                   |
| j1             | .t4     | 4.250         |                |       | 4.250           | 4.250             |
| j1             | .t5     | 4.250         |                | 4.250 | 4.250           | 4.250             |
| j1             | .t6     |               | 4.250          | 4.250 | 4.250           |                   |
| j1<br>≟1       | .t7     |               |                |       |                 | 4.250             |
| j1<br>j1       | .t9     | 1             |                |       | 4.250           | 4.250             |
| j1             | .t10    |               |                |       | 4.230           | 4.250             |
| j1             | .t12    |               | 4.250          | 4.250 | 4.250           | 11200             |
| airBR          |         | 4.250         |                |       |                 |                   |
| airBR          | .t4     |               |                | 4.250 |                 |                   |
| airBR          |         |               | 4.250          |       |                 |                   |
| airBR          | .t12    | 4.250         |                |       |                 |                   |
|                |         | 11            | 12             | 12    | 1 4             | 15                |
|                | +       | y11           | y12            | y13   | y14             | y15               |
| j1             | .t1     | 4.250         | 4.250          | 4.250 |                 |                   |
| j1             | .t2     | 4.250         | 11200          | 11200 |                 |                   |
| j1             | .t3     | 4.250         | 4.250          |       | 4.250           | 4.250             |
| j1             | .t4     | 4.250         |                | 4.250 |                 |                   |
| j1             | .t5     |               |                |       | 4.250           | 4.250             |
| j1             | .t6     | 4.250         |                | 4.250 |                 | 4.250             |
| j1             | •t7     |               | 4.250          |       |                 | 4.250             |
| j1             | .t8     |               | 4.250          | 4.250 | 4.250           | 4 050             |
| j1<br>≟1       | .t9     | 4 250         | 4.250          | 4.250 | 4.250           | 4.250             |
| j1<br>j1       | .t10    |               | 4.250          | 4.250 | 4.250           | 4.250             |
| j1             | .t12    |               | 4.250          | 4.250 |                 |                   |
| J <del>-</del> | • • • • |               | 1.250          | 1.230 |                 |                   |
| INDEX          | 1 =     | truck_XL_out  | INDEX $2 = i1$ |       |                 |                   |
|                |         |               |                |       |                 |                   |
|                |         | y1            | y2             | y4    | у6              | у7                |
|                |         |               |                |       |                 |                   |
| f1             | .t3     | 0.765         |                |       | 0.316           | 0 216             |
| f1             | .t4     |               | 0.316          |       |                 | 0.316             |
| f1<br>f1       | .t7     | 0.316         | 0.316          | 1.331 |                 |                   |
| f1             | .t10    |               | 0.631          | 1.551 |                 |                   |
| f1             | .t11    |               | 0.031          |       | 0.151           |                   |
|                |         |               |                |       |                 |                   |
| INDEX          | 1 =     | truck_XL_out  | INDEX $2 = i3$ |       |                 |                   |
|                |         |               |                |       |                 |                   |
|                |         | y1            | y2             | у3    | y4              | <b>y</b> 5        |
| <b>C</b> 1     | . 1     |               | 0.445          |       |                 |                   |
| f1<br>f1       | .t1     | 0.089         | 0.445          |       | 0.765           |                   |
| f1             | .t2     | 0.009         | 0.765          |       | 0.765           |                   |
| f1             | .t6     | 0.255         | 0.703          |       |                 |                   |
| f1             | .t8     | 0.255         | 0.255          |       |                 |                   |
| f1             | .t10    |               |                | 0.255 |                 |                   |
| f1             | .t11    | 0.255         |                |       |                 |                   |
| f1             | .t12    |               |                |       |                 | 0.765             |
|                |         | -             | •              |       |                 |                   |
|                | +       | y7            | У8             |       |                 |                   |
| f1             | .t4     | 0.255         |                |       |                 |                   |
| f1             | .t5     | 0.233         | 0.255          |       |                 |                   |
|                | • 03    |               | 0.233          |       |                 |                   |
| INDEX          | 1 =     | truckCOOL_XL_ | own INDEX 2 =  | = i1  |                 |                   |
|                |         |               |                |       |                 |                   |
|                |         | y1            | y2             | у3    | y4              | <b>y</b> 5        |
| f1             | .t1     | 0.542         |                |       |                 |                   |
| f1             | .t2     | 0.542         | 0.018          | 1.020 | 0.071           |                   |
| f1             | .t3     |               | 0.071          | 1.020 | 0.071           | 0.143             |
| f1             | .t4     |               | · -            |       | 0.071           |                   |
| f1             | .t5     |               |                | 0.128 | 0.255           | 0.316             |
| f1             | .t6     |               |                |       | 0.143           |                   |
| f1             | .t8     |               |                |       | 0.124           | 0.071             |
| f1             | .t9     | _             | 0.071          | 0.255 | 0.019           | _                 |
| f1             | .t11    | 0.071         |                |       |                 | 0.765             |
|                | 4       | . ***         | **7            | ***0  | 770             | <del>11</del> 1 ∩ |
|                | 7       | у6            | у7             | у8    | у9              | y10               |
| f1             | .t1     |               |                | 0.316 | 0.071           | 0.071             |
|                |         |               |                |       | <del>-</del>    |                   |

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|------------|-------------|-----------------|----------------|----------------|-----------------|----------------|
| f1         | .t2         |                 |                | 1.272          | 0.071           | 0.071          |
| f1         | .t3         |                 |                | 0.151          | 0.071           | 0.071          |
| f1         | .t4         | 0.097           | 0.071          | 01101          | 0.071           | 0.071          |
| f1         | .t5         |                 |                |                | 0.071           | 0.071          |
| f1         | .t6         | 0.040           |                | 0.071          | 0.071           | 0.071          |
| f1         | .t7         |                 |                | 0.071          | 0.071           | 0.071          |
| f1         | .t8         |                 |                |                | 0.071           | 0.071          |
| f1         | .t9         |                 |                |                | 0.071           | 0.071          |
| f1         | .t10        |                 |                |                | 0.071           | 0.071          |
| f1         | .t11        | 0.034           |                | 1.272          | 0.071           | 0.071          |
| f1         | .t12        |                 |                | 0.007          | 0.071           | 0.071          |
|            |             |                 |                |                |                 |                |
|            | +           | y11             | y12            | y13            | y14             | y15            |
| f1         | .t1         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         | .t2         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         | .t3         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         | .t4         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         | .t5         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         | .t6         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         | .t7         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         | .t8         | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| f1         |             | 0.071           | 0.071          |                |                 | 0.071          |
| f1         | .t9<br>.t10 |                 |                | 0.071          | 0.071           | 0.071          |
|            |             | 0.071           | 0.071          | 0.071          | 0.071           |                |
| f1<br>f1   | .t11        | 0.071<br>0.071  | 0.071<br>0.071 | 0.071<br>0.071 | 0.071<br>0.071  | 0.071<br>0.071 |
| LI         | . 112       | 0.071           | 0.071          | 0.071          | 0.071           | 0.071          |
| INDEX      | 1 = t       | ruckCOOL_XL_own | INDEX 2        | = i3           |                 |                |
|            |             | у1              | y2             | у3             | y4              | <b>y</b> 5     |
| f1         | .t1         |                 | 0.125          | 0.255          |                 | 0.255          |
| f1         | .t3         |                 | 0.125          | 1.020          |                 | 0.233          |
| f1         | .t4         |                 | 0.233          | 1.020          | 0.571           |                |
| f1         | .t6         |                 |                | 0.157          | 0.371           | 0.570          |
| f1         | .t7         |                 |                | 0.137          |                 | 0.370          |
|            |             |                 | 0.765          | 0.510          |                 | 0 255          |
| f1         | .t9         | 0 071           | 0.765<br>1.530 |                |                 | 0.255          |
| f1         | .t10        | 0.071           | 1.530          |                |                 | 0 255          |
| f1         | .t11        | 0.765           | 0 255          | 0.216          | 0 071           | 0.255          |
| f1         | .t12        |                 | 0.255          | 0.316          | 0.071           |                |
|            | +           | у6              | у7             | у8             |                 |                |
|            |             | -               | -              | -              |                 |                |
| f1         | .t2         |                 |                | 0.388          |                 |                |
| f1         | .t5         |                 |                | 0.765          |                 |                |
| f1         | .t6         |                 |                | 0.255          |                 |                |
| f1         | .t7         |                 | 0.026          |                |                 |                |
| f1         | .t8         | 0.255           | 0.765          |                |                 |                |
| f1         | .t9         |                 |                | 0.387          |                 |                |
| f1         | .t12        | 0.836           |                |                |                 |                |
| THEFT      | 1 ,         |                 | TNDEW 2        | <b>61</b>      |                 |                |
| INDEX      | Ι = τ       | ruckCOOL_XL_own | INDEX 2        | = 11           |                 |                |
|            |             | у1              | y2             | у3             | у4              | у5             |
| portP      | r.t.1       | 4.250           |                | 4.250          |                 | 4.250          |
| portPi     |             | 4.250           | 4.250          | 11200          | 4.250           | 11200          |
| portP      |             | <b></b>         |                |                |                 | 4.250          |
| portPl     |             | 4.250           |                | 4.250          |                 | 11200          |
| portP      |             | 4.250           | 4.250          | 4.250          | 4.250           |                |
| portP      |             | 4.250           | -,-50          | 4.250          |                 |                |
| portP      |             | 4.250           |                | 4.250          | 4.250           |                |
| portP      |             | 1120            |                | 4.250          |                 | 4.250          |
| portP      |             |                 | 4.250          | 4.250          |                 | 250            |
| portP      |             | 4.250           | -,-50          | 11200          |                 |                |
| portP      |             | 4.250           |                | 4.250          | 4.250           |                |
| portP      |             | 4.250           | 4.250          | 11200          | 1.200           | 4.250          |
|            |             |                 | -,_0           |                |                 | 11230          |
|            | +           | у6              | у7             | у8             |                 |                |
| portP1     |             | 4.250           | 4.250          | 4.250<br>4.250 |                 |                |
| portP      |             | 4.250           | 4.250          | 4.250          |                 |                |
| portPi     |             | 4.250           | 7.230          | 4.230          |                 |                |
| -          |             | 4.250           |                |                |                 |                |
| portP1     |             | 4.250           | 4.250          |                |                 |                |
| portPi     |             | 4.230           | 4.250          | 4.250          |                 |                |
| -          |             | 4.250           |                | 4.250          |                 |                |
| portPl     | L • ÜY      | 4.230           | 4.250          |                |                 |                |

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|--|-------------|----------------|-----------------|----------------|----------------|----------------|--|--|
| portPl   | r.t10       | 4.250          |                 |                |                |                |  |  |
| portP  |             | 4.250          |                 | 4.250          |                |                |  |  |
| portPl   | r.t12       |                |                 | 4.250          |                |                |  |  |
| TNDEV  | 1           |                | TNDEV 2 -       | o i DD         |                |                |  |  |
| INDEX  | 1 = τ       | ruckCOOL_XL_ow | n index 2 =     | airbk          |                |                |  |  |
|  |             | <b>y</b> 1     | y2              | y4             | у7             |                |  |  |
|  |             | 7 -            | 1 -             | 1 -            | 1 .            |                |  |  |
| j1   | .t2         |                |                 | 4.250          |                |                |  |  |
| j1   | .t4         |                | 4.250           |                |                |                |  |  |
| j1   | .t5         | 4 050          |                 |                | 4.250          |                |  |  |
| j1   | .t12        | 4.250          |                 | 4.250          |                |                |  |  |
| TNDEX  | 1 = +       | ruckCOOL XL ow | n INDEX 2 =     | nortBR         |                |                |  |  |
| INDUM  | 1 0         | Tuckeool_AL_ow | INDEX 2         | POLCDI         |                |                |  |  |
|  |             | y1             | y2              | у3             | y4             | <b>y</b> 5     |  |  |
|  |             |                |                 |                |                |                |  |  |
| j1   | .t1         |                | 4.250           | 4.250          | 4.250          |                |  |  |
| j1   | .t2         |                |                 | 4.250          | 4 050          |                |  |  |
| j1   | .t3         | 4.250          |                 | 4 250          | 4.250<br>4.250 | 4 250          |  |  |
| j1<br>j1   | .t4<br>.t5  | 4.230          |                 | 4.250<br>4.250 | 4.250          | 4.250<br>4.250 |  |  |
| j1   | .t6         |                | 4.250           | 4.250          | 4.230          | 4.250          |  |  |
| j1   | .t7         | 4.250          |                 | 4.250          |                |                |  |  |
| j1   | .t8         | 4.250          | 4.250           | 4.250          |                |                |  |  |
| j1   | .t9         | 4.250          |                 | 4.250          |                | 4.250          |  |  |
| j1   | .t10        | 4.250          | 4.250           | 4.250          |                |                |  |  |
| j1   | .t11        | 4.250          |                 | 4.250          | 4 050          | 4.250          |  |  |
| airBR<br>airBR   |             |                | 4.250           |                | 4.250          |                |  |  |
| airBR  |             |                | 4.250           |                | 4.250          |                |  |  |
| airBR  |             |                | 4.250           |                | 1.230          |                |  |  |
|  |             |                |                 |                |                |                |  |  |
|  | +           | y6             | <b>y</b> 7      | у8             | у9             | y10            |  |  |
|  |             |                |                 |                |                |                |  |  |
| j1   | .t1         |                |                 |                | 4 050          | 4.250          |  |  |
| j1<br>j1   | .t2<br>.t3  |                | 4.250           |                | 4.250          | 4.250<br>4.250 |  |  |
| j1   | .t4         |                | 4.250           |                |                | 4.230          |  |  |
| j1   | .t6         | 4.250          | 11200           |                |                | 4.250          |  |  |
| j1   | .t7         | 4.250          | 4.250           | 4.250          | 4.250          |                |  |  |
| j1   | .t8         | 4.250          | 4.250           | 4.250          | 4.250          | 4.250          |  |  |
| j1   | .t9         | 4.250          | 4.250           | 4.250          | 4.250          |                |  |  |
| j1<br>≟1   | .t10        | 4.250          | 4.250           | 4.250          | 4 250          | 4.250          |  |  |
| j1<br>j1   | .t11        | 4.250          | 4.250           | 4.250          | 4.250          | 4.250          |  |  |
| airBR  |             | 4.250          |                 |                |                | 4.230          |  |  |
| airBR  |             | 1.230          |                 | 4.250          |                |                |  |  |
|  |             |                |                 |                |                |                |  |  |
|  | +           | y11            | y12             | y13            | y14            | y15            |  |  |
|  |             |                |                 |                |                |                |  |  |
| j1   | .t1         |                | 4 250           | 4 250          | 4.250          | 4.250          |  |  |
| j1<br>j1   | .t2<br>.t3  |                | 4.250           | 4.250<br>4.250 | 4.250          | 4.250          |  |  |
| j1   | .t4         |                | 4.250           | 4.250          | 4.250          | 4.250          |  |  |
| j1   | .t5         | 4.250          | 4.250           | 4.250          |                |                |  |  |
| j1   | .t6         |                | 4.250           |                | 4.250          |                |  |  |
| j1   | •t7         | 4.250          |                 | 4.250          | 4.250          |                |  |  |
| j1<br>∴1   | .t8         | 4.250          |                 |                |                | 4.250          |  |  |
| j1<br>j1   | .t9<br>.t10 | 4.250          | 4.250           |                |                |                |  |  |
| j1   | .t11        |                | 4.250           | 4.250          | 4.250          | 4.250          |  |  |
| j1   | .t12        | 4.250          |                 | 10200          | 4.250          | 4.250          |  |  |
| •  |             |                |                 |                |                |                |  |  |
| INDEX  | 1 = t       | ruckCOOL_XL_ou | it INDEX 2 =    | i1             |                |                |  |  |
|  |             | -              | _               | •              | •              | _              |  |  |
|  |             | <b>y</b> 1     | y2              | у3             | y4             | у5             |  |  |
| f1   | .t1         |                | 1.336           | 0.071          |                |                |  |  |
| f1   | .t2         |                | 0.080           | 0.0/1          |                | 0.071          |  |  |
| f1   | .t3         |                | - <del> •</del> | 0.071          | 0.765          |                |  |  |
| f1   | .t5         |                |                 |                | 0.071          |                |  |  |
| f1   | .t6         | 0.071          |                 | 0.015          | 0.631          |                |  |  |
| f1   | .t7         |                | 0.836           |                |                | 0.055          |  |  |
| f1<br>f1   | .t8<br>.t9  | 0.071          |                 | 0.071          | 0.281          | 0.255<br>0.071 |  |  |
| f1   | .t10        | 0.0/1          |                 | 0.071          | 0.071          | 0.0/1          |  |  |
| f1   | .t11        |                |                 | 0.071          |                |                |  |  |
| https://neos-server.org/neos/jobs/6170000/6179566.html |             |                |                 |                |                |                |  |  |

| 25/07/20 | 18         |                |           |       | NEOS Job #61/9 | 500            |
|----------|------------|----------------|-----------|-------|----------------|----------------|
| f1       | .t12       |                |           | 0.255 |                |                |
|          |            |                |           |       |                |                |
|          | +          | у6             | у7        | у8    |                |                |
|          |            |                |           |       |                |                |
| f1       | .t1        |                | 0.071     |       |                |                |
| f1       | .t2        |                | 1.163     | 0.480 |                |                |
| f1       | .t3        |                | 0.151     |       |                |                |
| f1       | .t4        | 1.462          |           |       |                |                |
| f1       | .t5        | 0.109          | 1.489     |       |                |                |
| f1       | •t7        |                | 0.007     | 0.316 |                |                |
| f1       | .t8        | 0.387          | 0.255     | 0 000 |                |                |
| f1       | .t10       |                | 0.071     | 0.098 |                |                |
|          |            | 1 0007 117     | T117711 0 | • •   |                |                |
| INDE     | X I = tru  | ckCOOL_XL_out  | index 2 = | 13    |                |                |
|          |            | 1              | 2         | 2     | 4              |                |
|          |            | <b>y</b> 1     | y2        | у3    | у4             | у5             |
| £1       | ⊥1         | 1 212          |           | 0.765 |                | 0 071          |
| f1<br>f1 | .t1<br>.t2 | 1.313<br>0.020 |           | 0.765 |                | 0.071<br>0.255 |
| f1       | .t2        | 0.020          |           |       | 0.316          | 0.233          |
| f1       | .t3        | 0.631          |           |       | 0.310          |                |
| f1       | .t5        | 0.031          | 0.765     |       |                |                |
| f1       | .t6        | 0.765          | 0.703     |       |                |                |
| f1       | .t7        | 0.765          |           |       |                |                |
| f1       | .t8        | 0.703          | 0.071     |       |                |                |
| f1       | .t10       | 0.071          | 0.071     |       |                | 0.255          |
| f1       | .t11       |                |           |       |                | 0.071          |
| f1       | .t12       |                |           |       | 1.081          | 0.071          |
|          | •012       |                |           |       | 1.001          |                |
|          | +          | у6             | y7        | у8    |                |                |
|          |            | 1 -            | 7 .       | 1 -   |                |                |
| f1       | .t3        |                |           | 0.367 |                |                |
| f1       | .t4        |                |           | 0.071 |                |                |
| f1       | .t6        | 0.032          | 1.272     |       |                |                |
| f1       | .t7        |                |           | 0.255 |                |                |
| f1       | .t8        |                |           | 0.071 |                |                |
|          |            |                |           |       |                |                |
| INDE     | X 1 = boa  | t INDEX 2 =    | portPT    |       |                |                |
|          |            |                | _         |       |                |                |
|          |            | y1             | y2        | у3    | y4             | <b>y</b> 5     |
|          |            |                |           |       |                |                |
| port     | BR.t1      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t2      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t3      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t4      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t5      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t6      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
|          | BR.t7      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
|          | BR.t8      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t9      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t10     | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
|          | BR.t11     | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| -        | BR.t12     | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| -        |            |                |           |       |                |                |
|          | +          | у6             | у7        | у8    | у9             | y10            |
|          |            |                |           |       |                |                |
| port     | BR.t1      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t2      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t3      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t4      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
|          | BR.t5      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t6      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| port     | BR.t7      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
|          | BR.t8      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| _        | BR.t9      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| _        | BR.t10     | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
|          | BR.t11     | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| -        | BR.t12     | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| _        |            |                |           |       |                |                |
|          | +          | y11            | y12       | y13   | y14            | y15            |
|          |            | -              | -         | _     | -              | -              |
| port     | BR.t1      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| _        | BR.t2      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| -        | BR.t3      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| -        | BR.t4      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| -        | BR.t5      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
|          | BR.t6      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| _        | BR.t7      | 0.213          | 0.213     | 0.213 | 0.213          | 0.213          |
| -        |            |                |           |       |                | -              |

| portBR.t8  | 0.213 | 0.213 | 0.213 | 0.213 | 0.213 |
|------------|-------|-------|-------|-------|-------|
| portBR.t9  | 0.213 | 0.213 | 0.213 | 0.213 | 0.213 |
| portBR.t10 | 0.213 | 0.213 | 0.213 | 0.213 | 0.213 |
| portBR.t11 | 0.213 | 0.213 | 0.213 | 0.213 | 0.213 |
| portBR.t12 | 0.213 | 0.213 | 0.213 | 0.213 | 0.213 |
|            |       |       |       |       |       |

1219 VARIABLE manuf var cost.L Variable costs of manufacturing

| y1         | 2535672.012, | y2  | 2530952.998, | y3         | 2546775.017, | y4  | 2544462.335 |
|------------|--------------|-----|--------------|------------|--------------|-----|-------------|
| <b>y</b> 5 | 2542262.553, | у6  | 2048363.329, | <b>y</b> 7 | 1932969.037, | у8  | 1932409.245 |
| у9         | 1930383.669, | y10 | 1930383.669, | y11        | 1930383.669, | y12 | 1930383.669 |
|            |              |     | 100000 660   |            | 100000 660   |     |             |

y13 1930383.669, y14 1930383.669, y15 1930383.669

--- 1219 VARIABLE transp\_var\_cost.L Variable costs of transportation

| y1  | 8505038.733, | y2   | 8007114.322, | y3  | 7167134.018, | y4  | 8099063.892 |
|-----|--------------|------|--------------|-----|--------------|-----|-------------|
| y5  | 6961570.810, | у6   | 8478968.895, | у7  | 7738738.426, | у8  | 7821419.270 |
| у9  | 4538893.705, | y10  | 4538893.705, | y11 | 4538893.705, | y12 | 4538893.705 |
| v13 | 4538893 705  | v214 | 4538893 705  | v15 | 4538893 705  |     |             |

y14 4538893.705,

---- 1219 VARIABLE store\_var\_cost.L Variable costs of storage

y1 2.918454E+7, y2 2.968718E+7, y3 3.051134E+7, y4 2.958173E+7 y6 2.969792E+7, y7 3.055354E+7, y5 3.072142E+7, y8 3.047142E+7

--- 1219 VARIABLE vNPV.L = -7.62307E+8 Expected Profit

\*\*\*\* REPORT FILE SUMMARY

result /var/lib/condor/execute/dir 749910/result.put

EXECUTION TIME 1.818 SECONDS 794 MB 24.9.2 r64480 LEX-LEG =

USER: Small MUD - 5 User License G170411/0001AS-LNX University of Wisconsin-Madison, Computer Sciences Dept. DC8499 License for teaching and research at degree granting institutions

\*\*\*\* FILE SUMMARY

/var/lib/condor/execute/dir\_749910/MODEL.gms Input. /var/lib/condor/execute/dir 749910/solve.out Output

