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

   NEOS Server Version 5.0
   Job#     : 6179616
   Password : RydNeAVX
   User     : None
   Solver   : milp:CPLEX:GAMS
   Start    : 2018-07-25 16:25:33
   End      : 2018-07-25 16:31:54
   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.
**************************************************************
Executed on prod-exec-5.neos-server.org
GAMS 24.9.2  r64480 Released Nov 14, 2017 LEX-LEG x86 64bit/Linux 07/25/18 16:25:50 Page 1
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
C o m p i l a t i o n
```

```
COMPILATION TIME      =        0.004 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 16:25:50 Page 2
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
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 16:25:50 Page 3
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
Model Statistics   SOLVE aero_model Using MIP From line 1216
```

```
LOOPS                               zz    z1


MODEL STATISTICS

BLOCKS OF EQUATIONS           61     SINGLE EQUATIONS       558,409
BLOCKS OF VARIABLES           38     SINGLE VARIABLES       932,864
NON ZERO ELEMENTS      5,461,957     DISCRETE VARIABLES       2,459


GENERATION TIME      =      157.095 SECONDS  1,068 MB  24.9.2 r64480 LEX-LEG


EXECUTION TIME       =      158.901 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 16:25:50 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          193.152 1728000000.000
 ITERATION COUNT, LIMIT        77809     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: 175.11sec (det. 96462.24 ticks)
Fixing integer variables, and solving final LP...
Fixed MIP status(1): optimal
Cplex Time: 15.58sec (det. 9748.26 ticks)
Solution satisfies tolerances.

MIP Solution:   -762307370.651457    (43822 iterations, 0 nodes)
Final Solve:    -762307370.651457    (33987 iterations)

Best possible:  -761670854.047795
Absolute gap:       636516.603662
Relative gap:            0.000835
```

```
**** 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 16:25:50 Page 5
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
E x e c u t i o n
```

```
----    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	y3	y4	y5	y6
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		17.000
p2.t5		17.000	30.511	17.000	17.000	34.000
p2.t6	17.000	17.000	3.489	34.000	30.721	
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	29.082
p2.t11	17.000		17.000	17.000	17.000	4.918
p2.t12	17.000	17.000	17.000	17.000	17.000	17.000

	y7	y8	y9	y10	y11	y12
p2.t1	17.000	17.000	17.000	17.000	17.000	17.000
p2.t2	29.874	25.846	17.000	17.000	17.000	17.000
p2.t3	4.126	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	17.000	17.000	17.000	17.000	17.000	17.000
p2.t6	34.000	17.000	17.000	17.000	17.000	17.000
p2.t7		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	23.330	17.000	17.000	17.000	17.000

```
p2.t11       17.000      25.846      17.000      17.000      17.000      17.000
p2.t12       17.000       1.824      17.000      17.000      17.000      17.000


       +         y13         y14         y15

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


                                y1          y2          y3          y4

truck_out         .t2                               65076.000
truck_out         .t8                                         113240.086
truckCOOL_own     .t4                   65076.000   65076.000
truckCOOL_own     .t5                                           65076.000
truckCOOL_own     .t6                               13355.201
truckCOOL_own     .t9                               65076.000
truckCOOL_own     .t10  65076.000
truckCOOL_own     .t12  65076.000
truckCOOL_out     .t1              113642.843
truckCOOL_out     .t3   65076.000
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_own.t1    111718.737
truckCOOL_XL_out.t2               16509.157
truckCOOL_XL_out.t6                                           130152.000
truckCOOL_XL_out.t9                                            16911.914


                   +        y5          y6          y7          y8

truck_own         .t1   65076.000
truck_own         .t2               65076.000
truck_own         .t12                          65076.000
truck_out         .t1               65076.000
truck_out         .t5              130152.000
truck_out         .t11                                       98939.077
truckCOOL_own     .t1                           65076.000
truckCOOL_own     .t2                          114359.546
truckCOOL_own     .t3  130152.000
truckCOOL_own     .t9               65076.000
truckCOOL_out     .t2   65076.000
truckCOOL_out     .t10             111327.556
truck_XL_own      .t4                                         65076.000
truck_XL_own      .t8                            65076.000
truck_XL_out      .t3               65076.000
truck_XL_out      .t4                            65076.000
truck_XL_out      .t11              18824.444
truckCOOL_XL_own.t1                                           65076.000
truckCOOL_XL_own.t3                                           31212.923
truckCOOL_XL_own.t5     65076.000
truckCOOL_XL_out.t2                                           98939.077
truckCOOL_XL_out.t3                              15792.454
truckCOOL_XL_out.t4                 65076.000
truckCOOL_XL_out.t5                              65076.000
```

```
truckCOOL_XL_out.t7                                              65076.000
truckCOOL_XL_out.t8                       65076.000
```

	+	y9	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
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	.t6	65076.000	65076.000	65076.000
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
truck_XL_own	.t10	65076.000	65076.000	65076.000
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
```

	+	y1	y2	y3	y4
truckCOOL_own	.t1	4903.017			
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_own.t2			724.540		2856.000
truckCOOL_XL_own.t3			2856.000		
truckCOOL_XL_own.t4					2856.000
truckCOOL_XL_own.t5				5125.878	
truckCOOL_XL_own.t6					5712.000
truckCOOL_XL_own.t8					4969.784
truckCOOL_XL_own.t9			2856.000		742.216
truckCOOL_XL_own.t11		2856.000			
truckCOOL_XL_out.t1				2856.000	
truckCOOL_XL_out.t3				2856.000	
truckCOOL_XL_out.t5					2856.000
truckCOOL_XL_out.t6		2856.000		586.122	
truckCOOL_XL_out.t7			2856.000		
truckCOOL_XL_out.t9		2856.000		2856.000	
truckCOOL_XL_out.t10				2856.000	2856.000
truckCOOL_XL_out.t11				2856.000	

	+	y5	y6	y7	y8
truckCOOL_own	.t1				2856.000
truckCOOL_own	.t3		2856.000	693.086	
truckCOOL_own	.t5			2856.000	
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_own.t2					4342.154
truckCOOL_XL_own.t3		5712.000			
truckCOOL_XL_own.t4			2856.000	2856.000	
truckCOOL_XL_own.t6					2856.000
truckCOOL_XL_own.t7					2856.000

```
truckCOOL_XL_own.t8       2856.000
truckCOOL_XL_own.t11                   826.151                        4342.154
truckCOOL_XL_own.t12                                                   306.365
truckCOOL_XL_out.t1                                  2856.000
truckCOOL_XL_out.t2       2856.000
truckCOOL_XL_out.t5                  5712.000
truckCOOL_XL_out.t8                  2856.000
truckCOOL_XL_out.t9       2856.000
truckCOOL_XL_out.t10                                 2856.000         3919.481
```

+	y9	y10	y11	y12
truckCOOL_XL_own.t1	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t2	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t3	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t4	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t5	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t6	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t7	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t8	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t9	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t10	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t11	2856.000	2856.000	2856.000	2856.000
truckCOOL_XL_own.t12	2856.000	2856.000	2856.000	2856.000

+	y13	y14	y15
truckCOOL_XL_own.t1	2856.000	2856.000	2856.000
truckCOOL_XL_own.t2	2856.000	2856.000	2856.000
truckCOOL_XL_own.t3	2856.000	2856.000	2856.000
truckCOOL_XL_own.t4	2856.000	2856.000	2856.000
truckCOOL_XL_own.t5	2856.000	2856.000	2856.000
truckCOOL_XL_own.t6	2856.000	2856.000	2856.000
truckCOOL_XL_own.t7	2856.000	2856.000	2856.000
truckCOOL_XL_own.t8	2856.000	2856.000	2856.000
truckCOOL_XL_own.t9	2856.000	2856.000	2856.000
truckCOOL_XL_own.t10	2856.000	2856.000	2856.000
truckCOOL_XL_own.t11	2856.000	2856.000	2856.000
truckCOOL_XL_own.t12	2856.000	2856.000	2856.000

```
INDEX 1 = i1   INDEX 2 = f1   INDEX 3 = sp1
```

+	y1	y2	y3	y4
truck_own .t8				17749.230
truck_out .t5		10200.000		
truckCOOL_out .t4			10200.000	
truckCOOL_out .t9		10200.000		
truck_XL_own .t1	17510.774			
truck_XL_own .t4	20400.000			
truck_XL_own .t6			2093.292	
truck_XL_own .t12				10200.000
truckCOOL_XL_own.t2			10200.000	
truckCOOL_XL_own.t5				10200.000
truckCOOL_XL_own.t9			10200.000	
truckCOOL_XL_out.t12			10200.000	

+	y5	y6	y7	y9
truck_own .t11			10200.000	
truck_out .t7	1967.149			
truckCOOL_own .t4		10200.000		
truckCOOL_out .t5		20400.000		
truckCOOL_out .t9			10200.000	
truckCOOL_out .t10		17449.460		
truck_XL_own .t1				10200.000
truck_XL_own .t2				10200.000
truck_XL_own .t3				10200.000
truck_XL_own .t4				10200.000
truck_XL_own .t5				10200.000
truck_XL_own .t6				10200.000
truck_XL_own .t7				10200.000
truck_XL_own .t8				10200.000
truck_XL_own .t9				10200.000
truck_XL_own .t10				10200.000
truck_XL_own .t11				10200.000
truck_XL_own .t12				10200.000
truckCOOL_XL_out.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
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

INDEX 1 = i1   INDEX 2 = f1   INDEX 3 = sp2

		y1	y2	y3	y4
truck_own	.t4		30600.000		
truck_own	.t9	30600.000			
truck_own	.t10	30600.000			
truck_out	.t9			30600.000	
truck_out	.t12		30600.000		
truckCOOL_own	.t4				30600.000
truckCOOL_own	.t7		61200.000		
truckCOOL_out	.t8	30600.000			
truckCOOL_out	.t12			30600.000	
truck_XL_own	.t5			54920.125	
truck_XL_own	.t10			30600.000	
truck_XL_own	.t12	30600.000			
truck_XL_out	.t3	30600.000			
truck_XL_out	.t8				53247.689
truckCOOL_XL_own	.t2			30600.000	
truckCOOL_XL_out	.t1		53437.074		
truckCOOL_XL_out	.t3				30600.000
truckCOOL_XL_out	.t7		30600.000		
truckCOOL_XL_out	.t9				7952.311

	+	y5	y6	y7	y8
truck_own	.t3		30600.000		
truck_own	.t9			30600.000	
truck_own	.t11			30600.000	
truck_out	.t4			30600.000	
truck_out	.t6	55298.553			
truck_out	.t10		52348.381		
truckCOOL_own	.t5	30600.000			
truckCOOL_own	.t6				30600.000
truck_XL_own	.t12			30600.000	3282.480
truckCOOL_XL_own	.t2				46523.077
truckCOOL_XL_own	.t11	30600.000			46523.077
truckCOOL_XL_out	.t2			53774.081	
truckCOOL_XL_out	.t4		30600.000		
truckCOOL_XL_out	.t5			30600.000	

	+	y9	y10	y11	y12
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    30600.000    30600.000    30600.000
truck_XL_own      .t8     30600.000    30600.000    30600.000    30600.000
truck_XL_own      .t9     30600.000    30600.000    30600.000    30600.000
truck_XL_own      .t10    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

                    +          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    30600.000
truck_XL_own      .t5     30600.000    30600.000    30600.000
truck_XL_own      .t6     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           y3           y4

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
truckCOOL_out     .t7                               130152.000
truckCOOL_out     .t10                 65076.000
truck_XL_own      .t1                                            65076.000
truck_XL_own      .t5                               116796.799
truck_XL_own      .t11                 65076.000    65076.000
truck_XL_out      .t2     18433.263
truckCOOL_XL_own.t4                                             65076.000
truckCOOL_XL_own.t12                   65076.000
truckCOOL_XL_out.t3                                             65076.000
truckCOOL_XL_out.t4      130152.000
truckCOOL_XL_out.t12                                            65076.000

                    +          y5           y6           y7           y8

truck_out         .t5                                           65076.000
truck_out         .t7                  65076.000
truck_out         .t10                                          89308.183
truck_out         .t12    65076.000
truckCOOL_own     .t8                                           65076.000
truckCOOL_own     .t10    65076.000
truckCOOL_own     .t11                              65076.000
truckCOOL_out     .t6                               130152.000  65076.000
truckCOOL_out     .t7     12550.412
truckCOOL_out     .t8     65076.000
truckCOOL_out     .t9                               65076.000
truck_XL_own      .t9     65076.000
truck_XL_own      .t10                              65076.000
truck_XL_own      .t11    65076.000
truck_XL_own      .t12                 65076.000                6980.740
truckCOOL_XL_own.t6      117601.588
truckCOOL_XL_own.t9                                             65076.000

INDEX 1 = i3   INDEX 2 = f1   INDEX 3 = rm3

                           y1           y2           y3           y4

truckCOOL_own     .t4      5712.000                  2856.000
truckCOOL_own     .t6                   2856.000
truckCOOL_own     .t10                  5712.000
truckCOOL_own     .t12                  2856.000     2856.000
truckCOOL_out     .t1                                            2856.000
truckCOOL_out     .t12     2856.000
truckCOOL_XL_own.t1                     4987.460
truckCOOL_XL_own.t10      2856.000
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truckCOOL_XL_own.t12                                            2856.000
truckCOOL_XL_out.t2         808.983
truckCOOL_XL_out.t8        2856.000     2856.000
```

	+	y5	y6	y7	y8
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	4885.849		
truckCOOL_own	.t12	2856.000			
truckCOOL_out	.t2		2856.000	5018.914	
truckCOOL_out	.t3				1369.846
truckCOOL_out	.t5	2856.000			
truckCOOL_XL_own.t9					2856.000
truckCOOL_XL_own.t12			2856.000		
truckCOOL_XL_out.t1		2856.000			
truckCOOL_XL_out.t4					2856.000
truckCOOL_XL_out.t6				5712.000	
truckCOOL_XL_out.t8					2856.000
truckCOOL_XL_out.t11		2856.000			

```
INDEX 1 = i3   INDEX 2 = f1   INDEX 3 = sp1
```

		y1	y2	y3	y4
truck_own	.t3	10200.000			10200.000
truck_own	.t9				2650.770
truck_own	.t10				10200.000
truck_own	.t11			10200.000	
truck_out	.t6				20400.000
truckCOOL_own	.t5			18306.708	
truckCOOL_own	.t7		10200.000		
truckCOOL_out	.t2	2889.226			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		2587.642		
truck_XL_own	.t6		10200.000		
truck_XL_own	.t9	10200.000			
truck_XL_own	.t11				10200.000
truck_XL_out	.t1		17812.358		
truck_XL_out	.t6	10200.000			
truck_XL_out	.t8	10200.000	10200.000		
truck_XL_out	.t10	10200.000		10200.000	
truck_XL_out	.t11	10200.000			
truckCOOL_XL_own.t1				10200.000	
truckCOOL_XL_own.t3			10200.000	10200.000	
truckCOOL_XL_own.t4					10200.000
truckCOOL_XL_own.t7				20400.000	
truckCOOL_XL_own.t12			10200.000		

	+	y5	y6	y7	y8
truck_own	.t3			2475.306	
truck_own	.t6	18432.851			
truck_own	.t7		10200.000		
truck_own	.t10				13998.148
truck_out	.t3	20400.000			
truck_out	.t5	10200.000			
truck_out	.t8				10200.000
truck_out	.t9				10200.000
truck_out	.t11		2950.540		15507.692
truckCOOL_own	.t1		10200.000	10200.000	
truckCOOL_own	.t2		10200.000	17924.694	
truckCOOL_own	.t3				4892.308
truckCOOL_own	.t6			20400.000	
truckCOOL_own	.t10			10200.000	
truckCOOL_out	.t1				10200.000
truckCOOL_out	.t3		10200.000		
truckCOOL_out	.t9		10200.000		
truckCOOL_out	.t12		10200.000	10200.000	
truck_XL_own	.t4				10200.000
truck_XL_own	.t5			10200.000	
truck_XL_own	.t12	10200.000			1094.160

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truck_XL_out     .t4                               10200.000
truck_XL_out     .t5                                              10200.000
truckCOOL_XL_own.t1      10200.000
truckCOOL_XL_own.t2                                              15507.692
truckCOOL_XL_own.t6                                              10200.000
truckCOOL_XL_own.t8                10200.000
truckCOOL_XL_own.t9      10200.000
truckCOOL_XL_own.t11     10200.000
truckCOOL_XL_out.t2      10200.000
truckCOOL_XL_out.t7                                              10200.000
truckCOOL_XL_out.t10     10200.000
```

INDEX 1 = i3   INDEX 2 = f1   INDEX 3 = sp2

		y1	y2	y3	y4
truck_own	.t10				30600.000
truck_out	.t1				30600.000
truck_out	.t4	61200.000			
truck_out	.t5				30600.000
truck_out	.t11			30600.000	
truckCOOL_out	.t2	8667.679			
truckCOOL_out	.t11				30600.000
truck_XL_own	.t2		7762.926		
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.t3				30600.000	
truckCOOL_XL_own.t6				6279.875	
truckCOOL_XL_own.t9			30600.000		
truckCOOL_XL_own.t10			61200.000		
truckCOOL_XL_own.t11		30600.000			
truckCOOL_XL_out.t1		52532.321		30600.000	
truckCOOL_XL_out.t5			30600.000		
truckCOOL_XL_out.t6		30600.000			
truckCOOL_XL_out.t7		30600.000			
truckCOOL_XL_out.t12					30600.000

	+	y5	y6	y7	y8
truck_own	.t1				30600.000
truck_own	.t7		30600.000		
truck_own	.t8		30600.000		
truck_own	.t9		30600.000		
truck_own	.t10			30600.000	
truck_out	.t1	30600.000			
truck_out	.t5		61200.000		
truck_out	.t9				30600.000
truck_out	.t10				41994.443
truckCOOL_own	.t2		30600.000		
truckCOOL_own	.t3			7425.919	
truckCOOL_own	.t7	5901.447			
truckCOOL_own	.t8	30600.000			
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
truck_XL_own	.t9	30600.000			
truck_XL_own	.t10	30600.000			
truck_XL_own	.t11		8851.619		
truck_XL_out	.t12	30600.000			
truckCOOL_XL_own.t5					30600.000
truckCOOL_XL_own.t8				30600.000	
truckCOOL_XL_own.t12			30600.000		
truckCOOL_XL_out.t3					14676.923
truckCOOL_XL_out.t6				61200.000	

INDEX 1 = f1   INDEX 2 = portPT   INDEX 3 = p2

		y1	y2	y3	y4
truck_XL_own	.t1		17.000		17.000
truck_XL_own	.t2			17.000	

truck_XL_own	.t3	17.000	17.000	17.000	17.000
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
truck_XL_own	.t10		17.000	17.000	17.000
truck_XL_own	.t11		17.000		
truck_XL_own	.t12			17.000	17.000
truckCOOL_XL_own.t1		17.000		17.000	
truckCOOL_XL_own.t2		17.000	17.000		17.000
truckCOOL_XL_own.t4		17.000		17.000	
truckCOOL_XL_own.t5		17.000	17.000	17.000	17.000
truckCOOL_XL_own.t6		17.000		17.000	
truckCOOL_XL_own.t7		17.000		17.000	17.000
truckCOOL_XL_own.t8				17.000	
truckCOOL_XL_own.t9			17.000	17.000	
truckCOOL_XL_own.t10		17.000			
truckCOOL_XL_own.t11		17.000		17.000	17.000
truckCOOL_XL_own.t12		17.000	17.000		

	+	y5	y6	y7	y8
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
truck_XL_own	.t7	17.000			17.000
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	
truck_XL_own	.t12		17.000	17.000	
truckCOOL_XL_own.t1		17.000	17.000	17.000	17.000
truckCOOL_XL_own.t2					17.000
truckCOOL_XL_own.t3		17.000	17.000	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		17.000	17.000
truckCOOL_XL_own.t9			17.000	17.000	
truckCOOL_XL_own.t10			17.000		
truckCOOL_XL_own.t11			17.000		17.000
truckCOOL_XL_own.t12		17.000			17.000

	+	y9	y10	y11	y12
truck_XL_own	.t1	17.000	17.000	17.000	17.000
truck_XL_own	.t2	17.000	17.000	17.000	17.000
truck_XL_own	.t3	17.000	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	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	.t8	17.000	17.000	17.000	17.000
truck_XL_own	.t9	17.000	17.000	17.000	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

	+	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	.t9	17.000	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	17.000

INDEX 1 = airBR   INDEX 2 = j1   INDEX 3 = p2

	y2	y3	y6	y7

```
truck_XL_own     .t1                                      17.000
truck_XL_own     .t2                                      17.000
truck_XL_own     .t6                      17.000
truck_XL_own     .t12                                     17.000
truckCOOL_XL_own.t4         17.000
truckCOOL_XL_own.t5                      17.000                        17.000

                         +           y8

truck_XL_own     .t3        17.000
truck_XL_own     .t4        17.000
truck_XL_own     .t10       17.000
```

 INDEX 1 = portPT   INDEX 2 = portBR   INDEX 3 = p2

		y1	y2	y3	y4
boat	.t1	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
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

	+	y5	y6	y7	y8
boat	.t1	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
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

	+	y9	y10	y11	y12
boat	.t1	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
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

	+	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	.t6	17.000	17.000	17.000
boat	.t7	17.000	17.000	17.000
boat	.t8	17.000	17.000	17.000
boat	.t9	17.000	17.000	17.000
boat	.t10	17.000	17.000	17.000
boat	.t11	17.000	17.000	17.000
boat	.t12	17.000	17.000	17.000

 INDEX 1 = portBR   INDEX 2 = j1   INDEX 3 = p2

		y1	y2	y3	y4
truck_XL_own	.t1	17.000			
truck_XL_own	.t2	17.000	17.000		
truck_XL_own	.t3	17.000	17.000	17.000	
truck_XL_own	.t4			17.000	
truck_XL_own	.t5	17.000	17.000		
truck_XL_own	.t6	17.000			
truck_XL_own	.t7	17.000	17.000		
truck_XL_own	.t8			17.000	
truck_XL_own	.t9	17.000		17.000	
truck_XL_own	.t11			17.000	17.000
truck_XL_own	.t12		17.000		17.000
truckCOOL_XL_own.t1			17.000	17.000	17.000
truckCOOL_XL_own.t2				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		17.000
truckCOOL_XL_own.t7				17.000	17.000
truckCOOL_XL_own.t8		17.000	17.000		17.000
truckCOOL_XL_own.t9			17.000		17.000
truckCOOL_XL_own.t10		17.000	17.000	17.000	17.000
truckCOOL_XL_own.t11		17.000	17.000		
truckCOOL_XL_own.t12		17.000		17.000	

	+	y5	y6	y7	y8
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		
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	.t8		17.000	17.000	
truck_XL_own	.t9		17.000	17.000	
truck_XL_own	.t10		17.000		
truck_XL_own	.t11		17.000		17.000
truck_XL_own	.t12			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	17.000		
truckCOOL_XL_own.t7		17.000	17.000	17.000	17.000
truckCOOL_XL_own.t8		17.000			17.000
truckCOOL_XL_own.t9		17.000			17.000
truckCOOL_XL_own.t10		17.000		17.000	
truckCOOL_XL_own.t11		17.000		17.000	
truckCOOL_XL_own.t12		17.000			17.000

	+	y9	y10	y11	y12
truck_XL_own	.t1	17.000		17.000	17.000
truck_XL_own	.t2			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		
truck_XL_own	.t6	17.000		17.000	
truck_XL_own	.t7		17.000		17.000
truck_XL_own	.t8				17.000
truck_XL_own	.t9		17.000		17.000
truck_XL_own	.t10	17.000		17.000	
truck_XL_own	.t11		17.000	17.000	17.000
truck_XL_own	.t12	17.000			17.000
truckCOOL_XL_own.t1			17.000		
truckCOOL_XL_own.t2		17.000	17.000		17.000
truckCOOL_XL_own.t3			17.000		
truckCOOL_XL_own.t4					17.000
truckCOOL_XL_own.t5				17.000	17.000
truckCOOL_XL_own.t6			17.000		17.000
truckCOOL_XL_own.t7		17.000		17.000	
truckCOOL_XL_own.t8		17.000	17.000	17.000	
truckCOOL_XL_own.t9		17.000		17.000	
truckCOOL_XL_own.t10			17.000		17.000
truckCOOL_XL_own.t11		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


                             y2            y3            y6            y7

truck_XL_own     .t1                                     17.000
truck_XL_own     .t5                       17.000                     17.000
truck_XL_own     .t6                       17.000
truck_XL_own     .t12                                    17.000
truckCOOL_XL_own.t2                                      17.000
truckCOOL_XL_own.t4          17.000


                       +            y8

truck_XL_own     .t4          17.000
truckCOOL_XL_own.t3          17.000
truckCOOL_XL_own.t10         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


                y1            y2            y3            y4            y5            y6

rm2.t1       226.840       230.747                                   132.134       132.134
rm2.t2                      33.521       132.134                     132.134       132.134
rm2.t3       132.134                     132.134                     264.268       132.134
rm2.t4                     132.134       132.134                                   132.134
rm2.t5                     132.134                     132.134       132.134       264.268
rm2.t6       132.134                      27.117       264.268
rm2.t7       132.134       132.134
rm2.t8       132.134       132.134                     229.929                     132.134
rm2.t9                     132.134       132.134        34.339                     132.134
rm2.t10      132.134       264.268                                                 226.046
rm2.t11      132.134                                                                38.222
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                      12.417
rm3.t5                      12.417        22.286        12.417                      24.835
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
rm3.t9        12.417        12.417        12.417         3.227        12.417        12.417
rm3.t10                                   12.417        12.417
rm3.t11       12.417                      12.417        12.417                       3.592
sp1.t1       350.215
sp1.t2                                   204.000
sp1.t4       408.000                     204.000                                   204.000
```

	A	B	C	D	E	F
sp1.t5		204.000		204.000		408.000
sp1.t6			41.866			
sp1.t7					39.343	
sp1.t8				354.985	204.000	
sp1.t9		204.000	204.000			
sp1.t10						348.989
sp1.t12			204.000	204.000		
sp2.t1		1068.741				
sp2.t2			612.000			
sp2.t3	612.000			612.000		612.000
sp2.t4		612.000		612.000		612.000
sp2.t5			1098.403		612.000	
sp2.t6					1105.971	
sp2.t7		612.000	1224.000			
sp2.t8	612.000			1064.954		
sp2.t9	612.000		612.000	159.046		
sp2.t10	612.000		612.000			1046.968
sp2.t11					612.000	
sp2.t12	612.000	612.000	612.000			

+	y7	y8	y9	y10	y11	y12
rm2.t1	132.134	132.134	132.134	132.134	132.134	132.134
rm2.t2	232.202	200.892	132.134	132.134	132.134	132.134
rm2.t3	32.066	63.376	132.134	132.134	132.134	132.134
rm2.t4	132.134	132.134	132.134	132.134	132.134	132.134
rm2.t5	132.134		132.134	132.134	132.134	132.134
rm2.t6			132.134	132.134	132.134	132.134
rm2.t7		132.134	132.134	132.134	132.134	132.134
rm2.t8	132.134		132.134	132.134	132.134	132.134
rm2.t9			132.134	132.134	132.134	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	132.134		132.134	132.134	132.134	132.134
rm3.t1	12.417	12.417	12.417	12.417	12.417	12.417
rm3.t2		18.879	12.417	12.417	12.417	12.417
rm3.t3	3.013		12.417	12.417	12.417	12.417
rm3.t4	12.417		12.417	12.417	12.417	12.417
rm3.t5	12.417		12.417	12.417	12.417	12.417
rm3.t6		12.417	12.417	12.417	12.417	12.417
rm3.t7		12.417	12.417	12.417	12.417	12.417
rm3.t8	12.417		12.417	12.417	12.417	12.417
rm3.t9			12.417	12.417	12.417	12.417
rm3.t10	12.417	17.041	12.417	12.417	12.417	12.417
rm3.t11	12.417	18.879	12.417	12.417	12.417	12.417
rm3.t12	12.417	1.332	12.417	12.417	12.417	12.417
sp1.t1			204.000	204.000	204.000	204.000
sp1.t2			204.000	204.000	204.000	204.000
sp1.t3			204.000	204.000	204.000	204.000
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			204.000	204.000	204.000	204.000
sp1.t8	204.000		204.000	204.000	204.000	204.000
sp1.t9	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			204.000	204.000	204.000	204.000
sp2.t1			612.000	612.000	612.000	612.000
sp2.t2	1075.482	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	612.000		612.000	612.000	612.000	612.000
sp2.t6		612.000	612.000	612.000	612.000	612.000
sp2.t7			612.000	612.000	612.000	612.000
sp2.t8			612.000	612.000	612.000	612.000
sp2.t9	612.000		612.000	612.000	612.000	612.000
sp2.t10			612.000	612.000	612.000	612.000
sp2.t11	612.000	930.462	612.000	612.000	612.000	612.000
sp2.t12	612.000	65.650	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     132.134     132.134     132.134
rm3.t1       12.417      12.417      12.417
rm3.t2       12.417      12.417      12.417
rm3.t3       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

	y1	y2	y3	y4	y5	y6
rm2.t1			132.134	132.134		
rm2.t2	37.428			132.134		
rm2.t3		132.134		132.134		
rm2.t4	264.268			132.134		
rm2.t5			237.151			
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				
rm3.t7					2.395	
rm3.t8	12.417	12.417				
rm3.t10	12.417	24.835			12.417	21.243
rm3.t11					12.417	
rm3.t12	12.417	12.417	12.417	12.417	12.417	12.417
sp1.t1		356.247	204.000	204.000	204.000	204.000
sp1.t2	57.785	51.753		204.000	204.000	204.000
sp1.t3	204.000	204.000	204.000	204.000	408.000	204.000
sp1.t4		204.000		204.000		
sp1.t5			366.134		204.000	
sp1.t6	204.000	204.000		408.000	368.657	
sp1.t7	204.000	204.000	408.000			204.000
sp1.t8	204.000	204.000				204.000

	y1	y2	y3	y4	y5	y6
sp1.t9	204.000			53.015	204.000	204.000
sp1.t10	204.000	408.000	204.000	204.000	204.000	
sp1.t11	204.000		204.000	204.000	204.000	59.011
sp1.t12	204.000	204.000			204.000	204.000
sp2.t1	1050.646		612.000	612.000	612.000	612.000
sp2.t2	173.354	155.259		612.000	612.000	612.000
sp2.t3		612.000	612.000		1224.000	
sp2.t4	1224.000		612.000			
sp2.t5		612.000		612.000		1224.000
sp2.t6	612.000	612.000	125.597	1224.000		
sp2.t7	612.000				118.029	612.000
sp2.t8		612.000			612.000	612.000
sp2.t9		612.000			612.000	612.000
sp2.t10		1224.000		612.000	612.000	
sp2.t11	612.000		612.000	612.000		177.032
sp2.t12				612.000	612.000	612.000

+	y7	y8
rm2.t5		132.134
rm2.t6	264.268	132.134
rm2.t8		132.134
rm2.t9	132.134	132.134
rm2.t10	132.134	181.336
rm2.t11	132.134	
rm2.t12		14.174
rm3.t2	21.821	
rm3.t3		5.956
rm3.t4		12.417
rm3.t5		12.417
rm3.t6	24.835	
rm3.t8		12.417
rm3.t9	12.417	12.417
sp1.t1	204.000	204.000
sp1.t2	358.494	310.154
sp1.t3	49.506	97.846
sp1.t4	204.000	204.000
sp1.t5	204.000	204.000
sp1.t6	408.000	204.000
sp1.t7		204.000
sp1.t8		204.000
sp1.t9		204.000
sp1.t10	204.000	279.963
sp1.t11		310.154
sp1.t12	204.000	21.883
sp2.t1	612.000	612.000
sp2.t3	148.518	293.538
sp2.t4		612.000
sp2.t5		612.000
sp2.t6	1224.000	
sp2.t7		612.000
sp2.t8	612.000	612.000
sp2.t9		612.000
sp2.t10	612.000	839.889

```
----   1219 VARIABLE StockLevel.L  Amount of material m stored in facility w in
                                   day d
```

INDEX 1 = f1

	y1	y2	y3	y4	y5	y6
p2 .t1	12.185	12.687				
p2 .t3					17.000	
p2 .t4	17.000					
p2 .t5			13.511			17.000
p2 .t6				17.000	13.721	
p2 .t7			17.000			
p2 .t8				12.582		
p2 .t10		17.000				12.082

+	y7	y8
p2 .t2	12.874	8.846
p2 .t6	17.000	
p2 .t10		6.330
p2 .t11		15.176

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

fac    550000.000,    equip 7.506514E+8


----    1219 VARIABLE vCashFlow.L  Cash Flow

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


----    1219 VARIABLE HireResource.L  Hire resource

            y1

o2     1.000
o4     1.000
l1     3.000


----    1219 VARIABLE FireResource.L  Fire resource

            y8

l1     1.000


----    1219 VARIABLE Manuf_NrResource.L  Number of resources to hire for line f
                                          in period t

            y1          y2          y3          y4          y5          y6

o2     1.000       1.000       1.000       1.000       1.000       1.000
o4     1.000       1.000       1.000       1.000       1.000       1.000
l1     3.000       3.000       3.000       3.000       3.000       3.000

 +          y7          y8          y9         y10         y11         y12

o2     1.000       1.000       1.000       1.000       1.000       1.000
o4     1.000       1.000       1.000       1.000       1.000       1.000
l1     3.000       2.000       2.000       2.000       2.000       2.000

 +         y13         y14         y15

o2     1.000       1.000       1.000
o4     1.000       1.000       1.000
l1     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
                                 t)

INDEX 1 = truck_own  INDEX 2 = i1

                  y1          y2          y4          y5          y6

f1    .t1                                            0.505
f1    .t2                                                        0.505
f1    .t3                                                        1.224
f1    .t4                     1.224
f1    .t8                                 0.710
f1    .t9      1.224
f1    .t10     1.224

      +          y7

f1    .t9      1.224
f1    .t11     1.632
f1    .t12     0.505

INDEX 1 = truck_own  INDEX 2 = i3

                  y1          y3          y4          y5          y6
```

```
f1     .t3        0.408                    0.408
f1     .t6                                              0.737
f1     .t7                                                           1.632
f1     .t8                                                           1.224
f1     .t9        0.505                    0.106                     1.224
f1     .t10                                1.632
f1     .t11                   0.408

           +          y7         y8

f1     .t1                   1.224
f1     .t3        0.099
f1     .t10       1.224       0.560
```

INDEX 1 = truck_out   INDEX 2 = i1

```
                  y2         y3         y4         y5         y6

f1     .t1                                                         0.505
f1     .t2                   0.505
f1     .t5        0.408                                            1.010
f1     .t6                                           2.212
f1     .t7                                           0.079
f1     .t8                              0.879
f1     .t9                   1.224
f1     .t10                                                        2.094
f1     .t12       1.224

           +          y7         y8

f1     .t4        1.224
f1     .t11                   0.768
```

INDEX 1 = truck_out   INDEX 2 = i3

```
                  y1         y2         y3         y4         y5

f1     .t1                                         1.224      1.224
f1     .t2                                         0.505
f1     .t3                   0.505                             0.816
f1     .t4        2.448
f1     .t5                                         1.224      0.408
f1     .t6                                         0.816
f1     .t11                  1.224
f1     .t12                                                   0.505

           +          y6         y8

f1     .t5        2.448       0.505
f1     .t7        0.505
f1     .t8                    0.408
f1     .t9                    1.632
f1     .t10                   2.373
f1     .t11       0.118       0.620
```

INDEX 1 = truckCOOL_own   INDEX 2 = i1

```
                  y1         y2         y3         y4         y5

f1     .t1        0.196
f1     .t2                              0.114
f1     .t3                                                     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     .t10       0.505
f1     .t12       0.505

           +          y6         y7         y8

f1     .t1                    0.505      0.114
f1     .t2                    0.887
f1     .t3        0.114       0.028
f1     .t4        0.408
f1     .t5                    0.114
f1     .t6                    1.224
```

```
f1     .t7        0.114
f1     .t8                        0.114
f1     .t9        0.505
f1     .t12                       0.114
```

INDEX 1 = truckCOOL_own   INDEX 2 = i3

		y1	y2	y3	y4	y5
f1	.t4	0.228		0.114		
f1	.t5			0.732		
f1	.t6		0.114			
f1	.t7		0.408			0.258
f1	.t8					1.224
f1	.t10		0.228		0.505	0.619
f1	.t12		0.114	0.114		0.114

		y6	y7	y8
f1	.t1	0.522	0.408	
f1	.t2	1.632	0.717	
f1	.t3		0.297	0.196
f1	.t5			0.114
f1	.t6		0.816	
f1	.t8			0.505
f1	.t9		0.114	
f1	.t10	0.195	0.408	
f1	.t11		0.505	

INDEX 1 = truckCOOL_out   INDEX 2 = i1

		y1	y2	y3	y4	y5
f1	.t1		0.882			
f1	.t2					0.505
f1	.t3	0.619			0.114	
f1	.t4			0.408		
f1	.t5		0.114			
f1	.t6	0.505				0.206
f1	.t7	0.505		0.228		
f1	.t8	1.224				
f1	.t9		0.913			
f1	.t11				0.114	
f1	.t12			1.224		

		y6	y7
f1	.t5	0.816	
f1	.t9	0.114	0.408
f1	.t10	1.562	
f1	.t11		0.114

INDEX 1 = truckCOOL_out   INDEX 2 = i3

		y1	y2	y3	y4	y5
f1	.t1			0.505	0.114	
f1	.t2	0.462			0.408	
f1	.t4		0.408			
f1	.t5					0.114
f1	.t6		0.505			
f1	.t7	0.408		1.010		0.097
f1	.t8					0.505
f1	.t10		0.816	0.505		
f1	.t11				1.224	
f1	.t12	0.522				

		y6	y7	y8
f1	.t1	1.224		0.408
f1	.t2	0.114	0.201	
f1	.t3	0.408		0.055
f1	.t6		1.010	0.505
f1	.t7			1.224
f1	.t8			1.224
f1	.t9	0.408	0.505	
f1	.t12	0.408	0.408	

```
 INDEX 1 = truck_XL_own   INDEX 2 = i1

                    y1          y2          y3          y4          y7

 f1     .t1        0.438
 f1     .t3                                0.316
 f1     .t4        0.510
 f1     .t5                    0.316       1.373
 f1     .t6                                0.052
 f1     .t8                    0.316                               0.316
 f1     .t10                               0.765
 f1     .t11       0.316
 f1     .t12       0.765       0.316                   0.255       0.765

        +          y8          y9          y10         y11         y12

 f1     .t1                    1.336       1.336       1.336       1.336
 f1     .t2                    1.336       1.336       1.336       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     .t11                   1.336       1.336       1.336       1.336
 f1     .t12       0.082       1.336       1.336       1.336       1.336

        +          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
 f1     .t4        1.336       1.336       1.336
 f1     .t5        1.336       1.336       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

 INDEX 1 = truck_XL_own   INDEX 2 = i3

                    y1          y2          y3          y4          y5

 f1     .t1                                            0.571
 f1     .t2                    0.259                               0.765
 f1     .t3                                                        1.530
 f1     .t4                                0.765
 f1     .t5                                0.566
 f1     .t6                    1.020                   1.530
 f1     .t8                    0.765
 f1     .t9        0.255                                           1.081
 f1     .t10                                                       0.765
 f1     .t11                               0.316       0.571       0.316
 f1     .t12                                                       0.255

        +          y6          y7          y8

 f1     .t1                    0.765
 f1     .t4                                1.020
 f1     .t5                    0.255
 f1     .t10                   0.316
 f1     .t11       0.221
 f1     .t12       0.316                   0.061

 INDEX 1 = truck_XL_own   INDEX 2 = f1

                    y1          y2          y3          y4          y5

 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
```

```
           +        y6          y7          y8          y9         y10

portPT.t1                                              4.250      4.250
portPT.t2         4.250       4.250                    4.250      4.250
portPT.t3                                              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
portPT.t6                     4.250       4.250        4.250      4.250
portPT.t7                                 4.250        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      4.250
portPT.t12        4.250       4.250                    4.250      4.250
```

```
           +        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      4.250
```

```
INDEX 1 = truck_XL_own  INDEX 2 = airBR


                     y3          y6          y8

j1     .t1                     4.250
j1     .t2                     4.250
j1     .t3                                 4.250
j1     .t4                                 4.250
j1     .t6        4.250
j1     .t10                                4.250
j1     .t12                    4.250
```

```
INDEX 1 = truck_XL_own  INDEX 2 = portBR


                     y1          y2          y3          y4          y5

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     .t4                                 4.250
j1     .t5         4.250       4.250
j1     .t6         4.250
j1     .t7         4.250       4.250
j1     .t8                                 4.250
j1     .t9         4.250                    4.250
j1     .t11                                 4.250       4.250
j1     .t12                    4.250                    4.250
airBR .t5                                  4.250
airBR .t6                                  4.250
```

```
           +        y6          y7          y8          y9         y10

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     .t7                                                        4.250
j1     .t8         4.250       4.250
```

```
j1    .t9      4.250      4.250                              4.250
j1    .t10     4.250                              4.250
j1    .t11     4.250                  4.250                  4.250
j1    .t12                4.250                   4.250
airBR .t1      4.250
airBR .t4                             4.250
airBR .t5                  4.250
airBR .t12     4.250
```

```
           +        y11        y12        y13        y14        y15

j1    .t1      4.250      4.250      4.250
j1    .t2      4.250
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
j1    .t9                 4.250      4.250        4.250      4.250
j1    .t10     4.250                 4.250        4.250      4.250
j1    .t11     4.250      4.250
j1    .t12                4.250      4.250
```

```
INDEX 1 = truck_XL_out   INDEX 2 = i1

                  y1         y2         y4         y6         y7

f1    .t3      0.765                              0.316
f1    .t4                                                    0.316
f1    .t7                 0.316
f1    .t8      0.316                 1.331
f1    .t10               0.631
f1    .t11                                        0.091
```

```
INDEX 1 = truck_XL_out   INDEX 2 = i3

                  y1         y2         y3         y4         y5

f1    .t1                0.445
f1    .t2      0.089                             0.765
f1    .t3                0.765
f1    .t6      0.255
f1    .t8      0.255     0.255
f1    .t10     0.255                0.255
f1    .t11     0.255
f1    .t12                                                   0.765
```

```
           +        y7         y8

f1    .t4      0.255
f1    .t5                 0.255
```

```
INDEX 1 = truckCOOL_XL_own   INDEX 2 = i1

                  y1         y2         y3         y4         y5

f1    .t1      0.542
f1    .t2                0.018      1.020      0.071
f1    .t3                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
```

```
           +        y6         y7         y8         y9        y10

f1    .t1                                      0.316      0.071      0.071
f1    .t2                                      1.272      0.071      0.071
f1    .t3                                      0.151      0.071      0.071
f1    .t4      0.071      0.071                           0.071      0.071
f1    .t5                                                 0.071      0.071
f1    .t6                           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        0.021                          1.272        0.071      0.071
f1     .t12                                       0.008        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     .t9         0.071        0.071        0.071        0.071        0.071
f1     .t10        0.071        0.071        0.071        0.071        0.071
f1     .t11        0.071        0.071        0.071        0.071        0.071
f1     .t12        0.071        0.071        0.071        0.071        0.071


  INDEX 1 = truckCOOL_XL_own   INDEX 2 = i3

                     y1           y2           y3           y4           y5

f1     .t1                      0.125        0.255                     0.255
f1     .t3                      0.255        1.020
f1     .t4                                                0.571
f1     .t6                                   0.157                     0.570
f1     .t7                                   0.510
f1     .t9                      0.765                                  0.255
f1     .t10        0.071        1.530
f1     .t11        0.765                                               0.255
f1     .t12                     0.255        0.316        0.071


           +          y6           y7           y8

f1     .t2                                   0.388
f1     .t5                                   0.765
f1     .t6                                   0.255
f1     .t8         0.255        0.765
f1     .t9                                   0.387
f1     .t12        0.836


  INDEX 1 = truckCOOL_XL_own   INDEX 2 = f1

                     y1           y2           y3           y4           y5

portPT.t1         4.250                     4.250                     4.250
portPT.t2         4.250        4.250                     4.250
portPT.t3                                                             4.250
portPT.t4         4.250                     4.250
portPT.t5         4.250        4.250        4.250        4.250
portPT.t6         4.250                     4.250
portPT.t7         4.250                     4.250        4.250
portPT.t8                                   4.250                     4.250
portPT.t9                      4.250        4.250
portPT.t10        4.250
portPT.t11        4.250                     4.250        4.250
portPT.t12        4.250        4.250                                  4.250


           +          y6           y7           y8

portPT.t1         4.250        4.250        4.250
portPT.t2                                   4.250
portPT.t3         4.250        4.250        4.250
portPT.t5         4.250
portPT.t6         4.250
portPT.t7         4.250        4.250
portPT.t8                      4.250        4.250
portPT.t9         4.250        4.250
portPT.t10        4.250
portPT.t11        4.250                     4.250
portPT.t12                                  4.250


  INDEX 1 = truckCOOL_XL_own   INDEX 2 = airBR

                     y2           y3           y7

j1     .t4         4.250
```

```
j1    .t5                      4.250       4.250
```

INDEX 1 = truckCOOL_XL_own   INDEX 2 = portBR

		y1	y2	y3	y4	y5
j1	.t1		4.250	4.250	4.250	
j1	.t2			4.250	4.250	
j1	.t3				4.250	
j1	.t4	4.250			4.250	4.250
j1	.t5				4.250	4.250
j1	.t6		4.250		4.250	4.250
j1	.t7			4.250	4.250	4.250
j1	.t8	4.250	4.250		4.250	4.250
j1	.t9		4.250		4.250	4.250
j1	.t10	4.250	4.250	4.250	4.250	4.250
j1	.t11	4.250	4.250			4.250
j1	.t12	4.250		4.250		4.250
airBR	.t4		4.250			

		y6	y7	y8	y9	y10
j1	.t1					4.250
j1	.t2				4.250	4.250
j1	.t3		4.250			4.250
j1	.t4		4.250			
j1	.t6	4.250				4.250
j1	.t7	4.250	4.250	4.250	4.250	
j1	.t8			4.250	4.250	4.250
j1	.t9			4.250	4.250	
j1	.t10		4.250			4.250
j1	.t11		4.250		4.250	
j1	.t12			4.250		4.250
airBR	.t2	4.250				
airBR	.t3			4.250		
airBR	.t10			4.250		

		y11	y12	y13	y14	y15
j1	.t1				4.250	4.250
j1	.t2		4.250	4.250	4.250	4.250
j1	.t3			4.250		
j1	.t4		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	.t8	4.250				4.250
j1	.t9	4.250				
j1	.t10		4.250			
j1	.t11			4.250	4.250	4.250
j1	.t12	4.250			4.250	4.250

INDEX 1 = truckCOOL_XL_out   INDEX 2 = i1

		y1	y2	y3	y4	y5
f1	.t1		1.336	0.071		
f1	.t2		0.080			0.071
f1	.t3			0.071	0.765	
f1	.t5				0.071	
f1	.t6	0.071		0.015	0.631	
f1	.t7		0.836			
f1	.t8					0.255
f1	.t9	0.071		0.071	0.281	0.071
f1	.t10			0.071	0.071	
f1	.t11			0.071		
f1	.t12			0.255		

		y6	y7	y8
f1	.t1		0.071	
f1	.t2		1.344	0.480
f1	.t3		0.077	
f1	.t4	1.081		
f1	.t5	0.143	1.081	
f1	.t7			0.316
f1	.t8	0.387	0.255	
f1	.t10		0.071	0.098

```
INDEX 1 = truckCOOL_XL_out   INDEX 2 = i3
```

	y1	y2	y3	y4	y5
f1 .t1	1.313		0.765		0.071
f1 .t2	0.020				0.255
f1 .t3				0.316	
f1 .t4	0.631				
f1 .t5		0.765			
f1 .t6	0.765				
f1 .t7	0.765				
f1 .t8	0.071	0.071			
f1 .t10					0.255
f1 .t11					0.071
f1 .t12				1.081	

	+	y7	y8
f1 .t3			0.367
f1 .t4			0.071
f1 .t6		1.673	
f1 .t7			0.255
f1 .t8			0.071

```
INDEX 1 = boat   INDEX 2 = portPT
```

	y1	y2	y3	y4	y5
portBR.t1	0.213	0.213	0.213	0.213	0.213
portBR.t2	0.213	0.213	0.213	0.213	0.213
portBR.t3	0.213	0.213	0.213	0.213	0.213
portBR.t4	0.213	0.213	0.213	0.213	0.213
portBR.t5	0.213	0.213	0.213	0.213	0.213
portBR.t6	0.213	0.213	0.213	0.213	0.213
portBR.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

	+	y6	y7	y8	y9	y10
portBR.t1		0.213	0.213	0.213	0.213	0.213
portBR.t2		0.213	0.213	0.213	0.213	0.213
portBR.t3		0.213	0.213	0.213	0.213	0.213
portBR.t4		0.213	0.213	0.213	0.213	0.213
portBR.t5		0.213	0.213	0.213	0.213	0.213
portBR.t6		0.213	0.213	0.213	0.213	0.213
portBR.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

	+	y11	y12	y13	y14	y15
portBR.t1		0.213	0.213	0.213	0.213	0.213
portBR.t2		0.213	0.213	0.213	0.213	0.213
portBR.t3		0.213	0.213	0.213	0.213	0.213
portBR.t4		0.213	0.213	0.213	0.213	0.213
portBR.t5		0.213	0.213	0.213	0.213	0.213
portBR.t6		0.213	0.213	0.213	0.213	0.213
portBR.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  2535672.005,    y2  2530952.999,    y3  2546775.004,    y4  2544462.354
y5  2542262.553,    y6  2533499.395,    y7  2539043.993,    y8  2052409.139
y9  1930383.669,    y10 1930383.669,    y11 1930383.669,    y12 1930383.669
```

y13 1930383.669,   y14 1930383.669,   y15 1930383.669

----   1219 VARIABLE transp_var_cost.L Variable costs of transportation

y1 8504956.370,   y2 8007035.337,   y3 7167295.813,   y4 8098739.430
y5 6961570.810,   y6 8609318.306,   y7 7811717.821,   y8 7820041.886
y9 4538893.705,   y10 4538893.705,   y11 4538893.705,   y12 4538893.705
y13 4538893.705,   y14 4538893.705,   y15 4538893.705

----   1219 VARIABLE store_var_cost.L Variable costs of storage

y1 2.918462E+7,   y2 2.968726E+7,   y3 3.051118E+7,   y4 2.958205E+7
y5 3.072142E+7,   y6 2.908243E+7,   y7 2.987449E+7,   y8 3.035280E+7

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

**** REPORT FILE SUMMARY

result /var/lib/condor/execute/dir_3267284/result.put

EXECUTION TIME   =   2.700 SECONDS   794 MB 24.9.2 r64480 LEX-LEG

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**** FILE SUMMARY

Input   /var/lib/condor/execute/dir_3267284/MODEL.gms
Output   /var/lib/condor/execute/dir_3267284/solve.out