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NEOS Server Version 5.0  
 Job# : 6179552  
 Password : crFebdJC  
 User : None  
 Solver : milp:CPLEX:GAMS  
 Start : 2018-07-25 14:31:29  
 End : 2018-07-25 14:35:45  
 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-2.neos-server.org  
 GAMS 24.9.2 r64480 Released Nov 14, 2017 LEX-LEG x86 64bit/Linux 07/25/18 14:31:31 Page 1  
 General Algebraic Modeling System  
 Compilation

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 14:31:31 Page 2  
 General Algebraic Modeling System  
 Model Analysis SOLVE aero\_model Using MIP From line 1216

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

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 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 = 154.696 SECONDS 1,068 MB 24.9.2 r64480 LEX-LEG

EXECUTION TIME = 156.315 SECONDS 1,068 MB 24.9.2 r64480 LEX-LEG  
 L O O P S zz z1

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 General Algebraic Modeling System  
 Solution Report SOLVE aero\_model Using MIP From line 1216

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

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MODEL    aero_model      OBJECTIVE objective
TYPE     MIP              DIRECTION MAXIMIZE
SOLVER   CPLEX            FROM LINE 1216

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**** SOLVER STATUS      1 Normal Completion
**** MODEL STATUS       8 Integer Solution
**** OBJECTIVE VALUE     -762307370.6515

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RESOURCE USAGE, LIMIT      86.884 1728000000.000
ITERATION COUNT, LIMIT    36243   900000000

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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

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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: 67.30sec (det. 36885.39 ticks)
Fixing integer variables, and solving final LP...
Fixed MIP status(1): optimal
Cplex Time: 17.43sec (det. 9811.72 ticks)
Solution satisfies tolerances.

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MIP Solution: -762307370.651457 (2383 iterations, 0 nodes)
Final Solve: -762307370.651457 (33860 iterations)

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Best possible: -740699036.005237
Absolute gap: 21608334.646220
Relative gap: 0.028346

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

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General Algebraic Modeling System
Execution

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---- 1218 VARIABLE results.L Results

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z1 -7.62307E+8

```

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---- 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		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
+	y7	y8	y9	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

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
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				113238.844
truckCOOL_own	.t4		65076.000	65076.000	
truckCOOL_own	.t5				65076.000
truckCOOL_own	.t6			13354.581	
truckCOOL_own	.t9			65076.000	
truckCOOL_own	.t10	65076.000			
truckCOOL_own	.t12	65076.000			
truckCOOL_out	.t1		113642.541		
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		111718.422			
truckCOOL_XL_out.t2			16509.459		
truckCOOL_XL_out.t6					130152.000
truckCOOL_XL_out.t9					16913.156

		+	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			98939.077		
truck_out	.t11					98939.077
truckCOOL_own	.t1			65076.000		
truckCOOL_own	.t2			98939.077		
truckCOOL_own	.t3	130152.000				
truckCOOL_own	.t9			65076.000		
truckCOOL_out	.t2	65076.000				
truckCOOL_out	.t7			6596.517		
truckCOOL_out	.t10			98939.077		
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			31212.923		
truckCOOL_XL_own.t1						65076.000
truckCOOL_XL_own.t3						31212.923
truckCOOL_XL_own.t5		65076.000				
truckCOOL_XL_own.t6				8234.183		
truckCOOL_XL_out.t2						98939.077
truckCOOL_XL_out.t3					31212.923	

truckCOOL_XL_out.t4	88054.740			
truckCOOL_XL_out.t5		89692.406		
truckCOOL_XL_out.t7			65076.000	
truckCOOL_XL_out.t8	65076.000			

+	y9	y10	y11	y12
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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
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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
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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_own.t2		724.553		2856.000
truckCOOL_XL_own.t3		2856.000		
truckCOOL_XL_own.t4				2856.000
truckCOOL_XL_own.t5			5125.906	
truckCOOL_XL_own.t6				5712.000
truckCOOL_XL_own.t8				4969.730
truckCOOL_XL_own.t9		2856.000		742.270
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		586.094	
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
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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_own.t2				4342.154
truckCOOL_XL_own.t3	5712.000			
truckCOOL_XL_own.t4		3864.471	2856.000	

truckCOOL_XL_own.t6			2856.000	
truckCOOL_XL_own.t7			2856.000	
truckCOOL_XL_own.t8	2856.000			
truckCOOL_XL_own.t11		1369.846		4342.154
truckCOOL_XL_own.t12				296.400
truckCOOL_XL_out.t1			2856.000	
truckCOOL_XL_out.t2	2856.000			
truckCOOL_XL_out.t5		4342.154		
truckCOOL_XL_out.t7			289.502	
truckCOOL_XL_out.t8		2856.000		
truckCOOL_XL_out.t9	2856.000			
truckCOOL_XL_out.t10			2856.000	3929.446

+ 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				17749.035
truck_out .t5		10200.000		
truckCOOL_out .t4			10200.000	
truckCOOL_out .t9		10200.000		
truck_XL_own .t1	17510.724			
truck_XL_own .t4	20400.000			
truck_XL_own .t6			2093.195	
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		13801.683		
truckCOOL_out .t5		15507.692		
truckCOOL_out .t9			10200.000	
truckCOOL_out .t10		15507.692		
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
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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
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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		54920.416	
truck_XL_own	.t10		30600.000	
truck_XL_own	.t12	30600.000		
truck_XL_out	.t3	30600.000		
truck_XL_out	.t8			53247.105
truckCOOL_XL_own	.t2		30600.000	
truckCOOL_XL_out	.t1	53436.931		
truckCOOL_XL_out	.t3			30600.000
truckCOOL_XL_out	.t7	30600.000		
truckCOOL_XL_out	.t9			7952.895

+	y5	y6	y7	y8
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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	.t7		3101.810	
truck_out	.t10		46523.077	
truckCOOL_own	.t5	30600.000		
truckCOOL_own	.t6			30600.000
truck_XL_own	.t12		30600.000	3175.719
truckCOOL_XL_own	.t2			46523.077
truckCOOL_XL_own	.t11	30600.000		46523.077
truckCOOL_XL_out	.t2		46523.077	
truckCOOL_XL_out	.t4	41405.050		
truckCOOL_XL_out	.t5		42175.113	

+	y9	y10	y11	y12
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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
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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
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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			116797.419	
truck_XL_own	.t11			65076.000	65076.000
truck_XL_out	.t2	18433.578			
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
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truck_out	.t5				65076.000
truck_out	.t7		65076.000		
truck_out	.t10				89535.227
truck_out	.t12	65076.000			
truckCOOL_own	.t8				65076.000
truckCOOL_own	.t10	65076.000			
truckCOOL_own	.t11			65076.000	
truckCOOL_out	.t6			98939.077	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		6753.697
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
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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		4987.447		
truckCOOL_XL_own	.t10	2856.000			
truckCOOL_XL_own	.t12				2856.000
truckCOOL_XL_out	.t2	808.997			
truckCOOL_XL_out	.t8	2856.000	2856.000		

	+	y5	y6	y7	y8
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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		
truckCOOL_own	.t12	2856.000			
truckCOOL_out	.t2		2856.000	4342.154	
truckCOOL_out	.t3				1369.846
truckCOOL_out	.t5	2856.000			
truckCOOL_out	.t6		361.375		
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			4342.154	
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
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truck_own	.t3	10200.000			10200.000
truck_own	.t9				2650.965
truck_own	.t10				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			
truck_XL_own	.t11				10200.000
truck_XL_out	.t1		17812.310		
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
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truck_own	.t3			4892.308	
truck_own	.t6	18432.851			
truck_own	.t7		10200.000		
truck_own	.t10				14033.735
truck_out	.t3	20400.000			
truck_out	.t5	10200.000			
truck_out	.t8				10200.000
truck_out	.t9				10200.000
truck_out	.t11		4892.308		15507.692
truckCOOL_own	.t1		10200.000	10200.000	
truckCOOL_own	.t2		10200.000	15507.692	
truckCOOL_own	.t3				4892.308
truckCOOL_own	.t6			15507.692	
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			14058.371	
truck_XL_own	.t12	10200.000			1058.573
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.t7				1033.937	
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.t6			1290.624		
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	8667.827			
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.t3				30600.000	
truckCOOL_XL_own.t6				6279.584	
truckCOOL_XL_own.t9			30600.000		
truckCOOL_XL_own.t10			61200.000		
truckCOOL_XL_own.t11		30600.000			
truckCOOL_XL_out.t1		52532.173		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			46523.077		
truck_out	.t6			3871.873		
truck_out	.t9					30600.000
truck_out	.t10					42101.204
truckCOOL_own	.t2			30600.000		
truckCOOL_own	.t3				14676.923	
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			14676.923		
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

46523.077

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

		y1	y2	y4	y6
truck_XL_own	.t1				17.000
truck_XL_own	.t2				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.t2				17.000	
truckCOOL_XL_own.t4			17.000		
truckCOOL_XL_own.t12		17.000		17.000	
	+	y7	y8		
truck_XL_own	.t3		17.000		
truck_XL_own	.t4		17.000		
truckCOOL_XL_own.t5		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	.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	.t12		17.000	17.000	
truckCOOL_XL_own.t1			17.000	17.000	17.000
truckCOOL_XL_own.t2				17.000	
truckCOOL_XL_own.t3					17.000
truckCOOL_XL_own.t4	17.000			17.000	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	17.000	
truckCOOL_XL_own.t11	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	.t7	17.000			
truck_XL_own	.t8	17.000			
truck_XL_own	.t10	17.000			
truck_XL_own	.t12	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		17.000		
truckCOOL_XL_own.t7			17.000	17.000	17.000
truckCOOL_XL_own.t8			17.000	17.000	17.000
truckCOOL_XL_own.t9	17.000		17.000	17.000	17.000
truckCOOL_XL_own.t10			17.000	17.000	17.000
truckCOOL_XL_own.t11	17.000		17.000	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

		y1	y2	y4	y6
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		
	+	y7	y8		
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 to plant f in day d (in units)

INDEX 1 = i1 INDEX 2 = f1

	y1	y2	y3	y4	y5	y6
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

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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		5.956
sp1.t1	350.214					
sp1.t2			204.000			
sp1.t4	408.000		204.000			276.034
sp1.t5		204.000		204.000		310.154
sp1.t6			41.864			
sp1.t7					39.343	
sp1.t8				354.981	204.000	
sp1.t9		204.000	204.000			
sp1.t10						310.154
sp1.t12			204.000	204.000		
sp2.t1		1068.739				
sp2.t2			612.000			
sp2.t3	612.000			612.000		612.000
sp2.t4		612.000		612.000		828.101
sp2.t5			1098.408		612.000	
sp2.t6					1105.971	
sp2.t7		612.000	1224.000			
sp2.t8	612.000			1064.942		
sp2.t9	612.000		612.000	159.058		
sp2.t10	612.000		612.000			930.462
sp2.t11					612.000	
sp2.t12	612.000	612.000	612.000			

+	y7	y8	y9	y10	y11	y12
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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	63.376	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	182.117		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	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	5.956		12.417	12.417	12.417	12.417
rm3.t4	12.417		12.417	12.417	12.417	12.417
rm3.t5	17.115		12.417	12.417	12.417	12.417
rm3.t6		12.417	12.417	12.417	12.417	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			12.417	12.417	12.417	12.417
rm3.t10	12.417	17.085	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	1.289	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	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	843.502		612.000	612.000	612.000	612.000
sp2.t6		612.000	612.000	612.000	612.000	612.000
sp2.t7	62.036		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	63.514	612.000	612.000	612.000	612.000

+	y13	y14	y15
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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	37.429			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

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sp1.t3	204.000	204.000	204.000	204.000	408.000	204.000
sp1.t4		204.000		204.000		
sp1.t5			366.136		204.000	
sp1.t6	204.000	204.000		408.000	368.657	25.812
sp1.t7	204.000	204.000	408.000			204.000
sp1.t8	204.000	204.000				204.000
sp1.t9	204.000			53.019	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	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
sp2.t3		612.000	612.000		1224.000	
sp2.t4	1224.000		612.000			
sp2.t5		612.000		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		612.000			612.000	612.000
sp2.t10		1224.000		612.000	612.000	
sp2.t11	612.000		612.000	612.000		293.538
sp2.t12				612.000	612.000	612.000

+	y7	y8
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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	132.134	
rm2.t12		13.713
rm3.t2	18.879	
rm3.t3		5.956
rm3.t4		12.417
rm3.t5		12.417
rm3.t6	18.879	
rm3.t8		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	204.000	204.000
sp1.t5	281.167	204.000
sp1.t6	310.154	204.000
sp1.t7	20.679	204.000
sp1.t8		204.000
sp1.t9		204.000
sp1.t10	204.000	280.675
sp1.t11		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		612.000
sp2.t6	930.462	
sp2.t7		612.000
sp2.t8	612.000	612.000
sp2.t9		612.000
sp2.t10	612.000	842.024

---- 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					6.003
p2 .t5			13.511			14.849
p2 .t6				17.000	13.721	
p2 .t7			17.000			
p2 .t8				12.582		
p2 .t10		17.000				8.846



	+	y7	y8
p2 .t2		8.846	8.846
p2 .t5		6.431	
p2 .t6		15.277	
p2 .t10			6.390
p2 .t11			15.236

---- 1219 VARIABLE vFixedCapInvest.L Fixed capital investment of each investment 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

	y6
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	2.000

	+	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		2.000	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 term between entity lo and entity ld in time period (dt)

INDEX 1 = truck\_own INDEX 2 = il

		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	0.196				
f1	.t10	1.224	0.561			

INDEX 1 = truck\_out INDEX 2 = i1

		y2	y3	y4	y5	y6
f1	.t1					0.505
f1	.t2		0.505			
f1	.t5	0.408				0.768
f1	.t6				2.212	
f1	.t7				0.079	
f1	.t8			0.879		
f1	.t9		1.224			
f1	.t10					1.861
f1	.t12	1.224				
	+	y7	y8			
f1	.t4	1.224				
f1	.t7	0.124				
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	1.861	0.505			
f1	.t6	0.155				
f1	.t7	0.505				
f1	.t8		0.408			
f1	.t9		1.632			
f1	.t10		2.379			
f1	.t11	0.196	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		0.768	
f1	.t3	0.114	0.055	
f1	.t4	0.552		
f1	.t5		0.157	
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	0.620	
f1	.t3		0.587	0.196
f1	.t5			0.114
f1	.t6		0.620	
f1	.t8			0.505
f1	.t9		0.114	
f1	.t10	0.174	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	0.620	
f1	.t7		0.051
f1	.t9	0.114	0.408
f1	.t10	1.388	
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
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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			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	0.079	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		0.351	
f1	.t10		0.316	
f1	.t11	0.367		
f1	.t12	0.316		0.059

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

	y2	y4	y6	y8
j1 .t1			4.250	
j1 .t2			4.250	
j1 .t3				4.250
j1 .t4				4.250
j1 .t10		4.250		
j1 .t11	4.250	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 .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	

+ 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	.t9					4.250
j1	.t10				4.250	
j1	.t11					4.250
j1	.t12		4.250	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
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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
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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			0.151	

INDEX 1 = truck\_XL\_out INDEX 2 = i3

	y1	y2	y3	y4	y5
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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		
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f1	.t4	0.255			
f1	.t5		0.255		

INDEX 1 = truckCOOL\_XL\_own INDEX 2 = i1

	y1	y2	y3	y4	y5
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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
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f1	.t1			0.316	0.071	0.071
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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		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	.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	.t7		0.026			
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

	y1	y2	y4	y7
j1 .t2			4.250	
j1 .t4		4.250		
j1 .t5				4.250
j1 .t12	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		
j1 .t3				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		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		4.250
airBR .t2				4.250	
airBR .t4		4.250			
airBR .t10				4.250	
airBR .t11		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	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	4.250	4.250	
j1 .t12					4.250
airBR .t2	4.250				
airBR .t3			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		1.163	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	
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	
	+	y6	y7	y8		
f1	.t3			0.367		
f1	.t4			0.071		
f1	.t6	0.032	1.272			
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 2535672.012,	y2 2530952.998,	y3 2546775.017,	y4 2544462.335
y5 2542262.553,	y6 2048363.329,	y7 1932969.037,	y8 1932409.245
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 8505038.733,	y2 8007114.322,	y3 7167134.018,	y4 8099063.892
y5 6961570.810,	y6 8478968.895,	y7 7738738.426,	y8 7821419.270
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 2.918454E+7,	y2 2.968718E+7,	y3 3.051134E+7,	y4 2.958173E+7
y5 3.072142E+7,	y6 2.969792E+7,	y7 3.055354E+7,	y8 3.047142E+7

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

\*\*\*\* REPORT FILE SUMMARY

result /var/lib/condor/execute/dir\_1251105/result.put

EXECUTION TIME = 2.442 SECONDS 794 MB 24.9.2 r64480 LEX-LEG

USER: Small MUD - 5 User License G170411/0001AS-LNX  
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\*\*\*\* FILE SUMMARY

Input /var/lib/condor/execute/dir\_1251105/MODEL.gms  
 Output /var/lib/condor/execute/dir\_1251105/solve.out

