

Global optimal solution found.  
Objective value: 190550.0  
Infeasibilities: 0.000000  
Total solver iterations: 15  
Elapsed runtime seconds: 0.07

Model Class: LP

Total variables: 48  
Nonlinear variables: 0  
Integer variables: 0

Total constraints: 62  
Nonlinear constraints: 0

Total nonzeros: 168  
Nonlinear nonzeros: 0

Variable	Value	Reduced Cost
RLABOR ( 1)	4.000000	0.000000
RLABOR ( 2)	4.000000	0.000000
RLABOR ( 3)	4.000000	0.000000
RLABOR ( 4)	6.000000	0.000000
RLABOR ( 5)	6.000000	0.000000
RLABOR ( 6)	6.000000	0.000000
RLABOR ( 7)	6.000000	0.000000
RLABOR ( 8)	6.000000	0.000000
RLABOR ( 9)	6.000000	0.000000
RLABOR ( 10)	4.000000	0.000000
RLABOR ( 11)	4.000000	0.000000
RLABOR ( 12)	4.000000	0.000000
RTONS ( 1)	600.0000	0.000000
RTONS ( 2)	450.0000	0.000000
RTONS ( 3)	425.0000	0.000000
RTONS ( 4)	800.0000	0.000000
RTONS ( 5)	800.0000	0.000000
RTONS ( 6)	800.0000	0.000000
RTONS ( 7)	800.0000	0.000000
RTONS ( 8)	800.0000	0.000000
RTONS ( 9)	800.0000	0.000000
RTONS ( 10)	500.0000	0.000000
RTONS ( 11)	500.0000	0.000000
RTONS ( 12)	500.0000	0.000000
OLABOR ( 1)	6.000000	0.000000
OLABOR ( 2)	6.000000	0.000000
OLABOR ( 3)	6.000000	0.000000
OLABOR ( 4)	9.000000	0.000000
OLABOR ( 5)	9.000000	0.000000
OLABOR ( 6)	9.000000	0.000000
OLABOR ( 7)	9.000000	0.000000
OLABOR ( 8)	9.000000	0.000000
OLABOR ( 9)	9.000000	0.000000
OLABOR ( 10)	6.000000	0.000000
OLABOR ( 11)	6.000000	0.000000

OLABOR ( 12)	6.000000	0.000000
OTONS ( 1)	0.000000	2.000000
OTONS ( 2)	0.000000	2.000000
OTONS ( 3)	0.000000	2.000000
OTONS ( 4)	100.0000	0.000000
OTONS ( 5)	250.0000	0.000000
OTONS ( 6)	500.0000	0.000000
OTONS ( 7)	500.0000	0.000000
OTONS ( 8)	500.0000	0.000000
OTONS ( 9)	500.0000	0.000000
OTONS ( 10)	0.000000	2.000000
OTONS ( 11)	0.000000	2.000000
OTONS ( 12)	0.000000	2.000000
LIMITTONS ( 1)	600.0000	0.000000
LIMITTONS ( 2)	450.0000	0.000000
LIMITTONS ( 3)	425.0000	0.000000
LIMITTONS ( 4)	1200.000	0.000000
LIMITTONS ( 5)	1300.000	0.000000
LIMITTONS ( 6)	1600.000	0.000000
LIMITTONS ( 7)	1600.000	0.000000
LIMITTONS ( 8)	1500.000	0.000000
LIMITTONS ( 9)	1300.000	0.000000
LIMITTONS ( 10)	500.0000	0.000000
LIMITTONS ( 11)	500.0000	0.000000
LIMITTONS ( 12)	500.0000	0.000000
SOLDTONS ( 1)	400.0000	0.000000
SOLDTONS ( 2)	700.0000	0.000000
SOLDTONS ( 3)	425.0000	0.000000
SOLDTONS ( 4)	900.0000	0.000000
SOLDTONS ( 5)	900.0000	0.000000
SOLDTONS ( 6)	900.0000	0.000000
SOLDTONS ( 7)	800.0000	0.000000
SOLDTONS ( 8)	600.0000	0.000000
SOLDTONS ( 9)	800.0000	0.000000
SOLDTONS ( 10)	1200.000	0.000000
SOLDTONS ( 11)	1100.000	0.000000
SOLDTONS ( 12)	1400.000	0.000000
DEMANDTONS ( 1)	400.0000	0.000000
DEMANDTONS ( 2)	700.0000	0.000000
DEMANDTONS ( 3)	600.0000	0.000000
DEMANDTONS ( 4)	900.0000	0.000000
DEMANDTONS ( 5)	900.0000	0.000000
DEMANDTONS ( 6)	900.0000	0.000000
DEMANDTONS ( 7)	800.0000	0.000000
DEMANDTONS ( 8)	600.0000	0.000000
DEMANDTONS ( 9)	800.0000	0.000000
DEMANDTONS ( 10)	1200.000	0.000000
DEMANDTONS ( 11)	1100.000	0.000000
DEMANDTONS ( 12)	1400.000	0.000000
PRICEPERTONS ( 1)	18.00000	0.000000
PRICEPERTONS ( 2)	18.00000	0.000000
PRICEPERTONS ( 3)	18.00000	0.000000
PRICEPERTONS ( 4)	25.00000	0.000000
PRICEPERTONS ( 5)	25.00000	0.000000
PRICEPERTONS ( 6)	25.00000	0.000000
PRICEPERTONS ( 7)	25.00000	0.000000
PRICEPERTONS ( 8)	25.00000	0.000000

PRICEPERTONS ( 9)	25.00000	0.000000
PRICEPERTONS ( 10)	30.00000	0.000000
PRICEPERTONS ( 11)	30.00000	0.000000
PRICEPERTONS ( 12)	30.00000	0.000000
STORAGETONS ( 1)	250.0000	0.000000
STORAGETONS ( 2)	0.000000	0.000000
STORAGETONS ( 3)	0.000000	10.00000
STORAGETONS ( 4)	0.000000	1.000000
STORAGETONS ( 5)	150.0000	0.000000
STORAGETONS ( 6)	550.0000	0.000000
STORAGETONS ( 7)	1050.000	0.000000
STORAGETONS ( 8)	1750.000	0.000000
STORAGETONS ( 9)	2250.000	0.000000
STORAGETONS ( 10)	1550.000	0.000000
STORAGETONS ( 11)	950.0000	0.000000
STORAGETONS ( 12)	50.00000	0.000000
STORAGEPRICE ( 1)	1.000000	0.000000
STORAGEPRICE ( 2)	1.000000	0.000000
STORAGEPRICE ( 3)	1.000000	0.000000
STORAGEPRICE ( 4)	1.000000	0.000000
STORAGEPRICE ( 5)	1.000000	0.000000
STORAGEPRICE ( 6)	1.000000	0.000000
STORAGEPRICE ( 7)	1.000000	0.000000
STORAGEPRICE ( 8)	1.000000	0.000000
STORAGEPRICE ( 9)	1.000000	0.000000
STORAGEPRICE ( 10)	1.000000	0.000000
STORAGEPRICE ( 11)	1.000000	0.000000
STORAGEPRICE ( 12)	1.000000	0.000000

Row	Slack or Surplus	Dual Price
1	190550.0	1.000000
2	0.000000	-17.00000
3	0.000000	-18.00000
4	0.000000	-9.000000
5	0.000000	-9.000000
6	0.000000	-10.00000
7	0.000000	-11.00000
8	0.000000	-12.00000
9	0.000000	-13.00000
10	0.000000	-14.00000
11	0.000000	-15.00000
12	0.000000	-16.00000
13	0.000000	-16.00000
14	0.000000	-17.00000
15	0.000000	12.00000
16	0.000000	13.00000
17	0.000000	14.00000
18	300.0000	0.000000
19	250.0000	0.000000
20	300.0000	0.000000
21	300.0000	0.000000
22	200.0000	0.000000
23	0.000000	0.000000
24	0.000000	10.00000
25	0.000000	11.00000
26	0.000000	12.00000
27	0.000000	2.000000

28	0.000000	1.000000
29	175.0000	0.000000
30	0.000000	16.00000
31	0.000000	16.00000
32	0.000000	15.00000
33	0.000000	14.00000
34	0.000000	13.00000
35	0.000000	12.00000
36	0.000000	16.00000
37	0.000000	15.00000
38	0.000000	14.00000
39	600.0000	0.000000
40	750.0000	0.000000
41	775.0000	0.000000
42	700.0000	0.000000
43	700.0000	0.000000
44	700.0000	0.000000
45	0.000000	3.000000
46	0.000000	3.000000
47	0.000000	4.000000
48	0.000000	5.000000
49	0.000000	6.000000
50	0.000000	7.000000
51	600.0000	0.000000
52	600.0000	0.000000
53	600.0000	0.000000
54	600.0000	0.000000
55	600.0000	0.000000
56	600.0000	0.000000
57	400.0000	0.000000
58	250.0000	0.000000
59	0.000000	1.000000
60	0.000000	2.000000
61	0.000000	3.000000
62	0.000000	4.000000



