

LINEAR PROGRAMMING PROBLEM Par, Inc.

MAX 10X1+9X2

S.T.

- 1) .7X1+1X2<630
- 2) .5X1+.833333X2<600
- 3) 1X1+.666667X2<708
- 4) .1X1+.25X2<135

OPTIMAL SOLUTION

Objective Function Value = 7667.999417

Variable	Value	Reduced Costs
X1	539.999842	0.000000
X2	252.000110	0.000000

Constraint	Slack/Surplus	Dual Prices
1	0.000000	4.374996
2	120.000071	0.000000
3	0.000000	6.937503
4	17.999988	0.000000

OBJECTIVE COEFFICIENT RANGES

Variable	Lower Limit	Current Value	Upper Limit
X1	6.300000	10.000000	13.499993
X2	6.666670	9.000000	14.285714

RIGHT HAND SIDE RANGES

Constraint	Lower Limit	Current Value	Upper Limit
1	495.600000	630.000000	682.363589
2	479.999929	600.000000	No Upper Limit
3	580.000140	708.000000	900.000000
4	117.000012	135.000000	No Upper Limit