LINEAR PROGRAMMING PROBLEM

MAX 0.07X1+0.12X2+0.09X3

S.T.

1) 1X1+1X2+1X3<1000000
2) 0.60X1-0.40X2-0.40X3>0
3) 1X2-0.60X3<0

OPTIMAL SOLUTION

Objective Function Value = 88750.000

Variable	Value	Reduced Costs
X1	400000.000	0.000
X2	225000.000	0.000
X3	375000.000	0.000

Constraint	Slack/Surplus	Dual Prices
1	0.000	0.089
2	0.000	-0.031
3	0.000	0.019

OBJECTIVE COEFFICIENT RANGES

Variable	Lower Limit	Current Value	Upper Limit
X1	-0.152	0.070	0.101
X2	0.090	0.120	No Upper Limit
X3	0.040	0.090	0.120

RIGHT HAND SIDE RANGES

Constraint	Lower Limit	Current Value	Upper Limit
1	0.000	1000000.000	No Upper Limit
2	-400000.000	0.000	600000.000
3	-360000.000	0.000	600000.000