

66-708 12/2/2012 JNPX 13/16

LP OPTIMUM FOUND AT STEP 1

OBJECTIVE FUNCTION VALUE

1) 140.0000

VARIABLE	VALUE	REDUCED COST
X1	0.000000	1.466667
X2	30.000000	0.000000
X3	10.000000	0.000000
X4	0.000000	0.533333

ROW	SLACK OR SURPLUS	DUAL PRICES
2)	0.000000	0.666667
3)	0.000000	0.200000

NO. ITERATIONS= 1

RANGES IN WHICH THE BASIS IS UNCHANGED:

VARIABLE	OBJ COEFFICIENT RANGES		
	CURRENT COEF	ALLOWABLE INCREASE	ALLOWABLE DECREASE
X1	4.000000	1.466667	INFINITY
X2	3.000000	2.000000	0.500000
X3	5.000000	1.000000	0.363636
X4	6.000000	0.533334	INFINITY

ROW	RIGHTHAND SIDE RANGES		
	CURRENT RHS	ALLOWABLE INCREASE	ALLOWABLE DECREASE
2	150.000000	90.000000	30.000000
3	200.000000	50.000000	75.000000

THE TABLEAU

ROW (BASIS)	X1	X2	X3	X4	SLK 2
1 ART	1.467	0.000	0.000	0.533	0.667
2 X3	1.533	0.000	1.000	1.467	0.333
3 X2	-0.733	1.000	0.000	-0.267	-0.333

ROW	SLK 3
1	0.200 140.000
2	-0.200 10.000
3	0.400 30.000