

LP OPTIMUM FOUND AT STEP 2

OBJECTIVE FUNCTION VALUE

66-708 1c 4-11 2013 12286 1456

1) 780.0000

VARIABLE	VALUE	REDUCED COST
X1	30.000000	0.000000
X2	0.000000	8.000000
X3	0.000000	7.000000
X4	60.000000	0.000000

ROW	SLACK OR SURPLUS	DUAL PRICES
2)	10.000000	0.000000
3)	0.000000	4.000000
4)	0.000000	2.000000

NO. ITERATIONS= 2

RANGES IN WHICH THE BASIS IS UNCHANGED:

VARIABLE	OBJ COEFFICIENT RANGES		
	CURRENT	ALLOWABLE INCREASE	ALLOWABLE DECREASE
X1	10.000000	6.000000	6.000000
X2	12.000000	8.000000	INFINITY
X3	15.000000	7.000000	INFINITY
X4	8.000000	12.000000	3.000000

ROW	RIGHTHAND SIDE RANGES		
	CURRENT	ALLOWABLE INCREASE	ALLOWABLE DECREASE
2	100.000000	INFINITY	10.000000
3	120.000000	30.000000	45.000000
4	150.000000	30.000000	90.000000

THE TABLEAU

ROW (BASIS)	X1	X2	X3	X4	SLK 2	SLK 3
1 ART	0.000	8.000	7.000	0.000	0.000	4.000
2 SLK 2	0.000	-1.333	-1.667	0.000	1.000	-0.333
3 X1	1.000	0.667	0.333	0.000	0.000	0.667
4 X4	0.000	1.667	2.333	1.000	0.000	-0.333

ROW	SLK 4	VALUE
1	2.000	780.000
2	-0.333	10.000
3	-0.333	30.000
4	0.667	60.000