

```
max 7 x1 + 6 x2 + 9 x3
st
constr1) 4 x1 +3 x2 +5 x3 < 30
constr2) 2 x1 +3 x2 +3 x3 < 20
end
```

LP OPTIMUM FOUND AT STEP 0

OBJECTIVE FUNCTION VALUE

1) 55.00000

VARIABLE	VALUE	REDUCED COST
X1	5.000000	0.000000
X2	3.333333	0.000000
X3	0.000000	0.000000

ROW	SLACK OR SURPLUS	DUAL PRICES
CONSTR1)	0.000000	1.500000
CONSTR2)	0.000000	0.500000

NO. ITERATIONS= 0

RANGES IN WHICH THE BASIS IS UNCHANGED:

VARIABLE	CURRENT COEF	OBJ COEFFICIENT RANGES	
		ALLOWABLE INCREASE	ALLOWABLE DECREASE
X1	7.000000	1.000000	0.000000
X2	6.000000	4.500000	0.000000
X3	9.000000	0.000000	INFINITY

ROW	CURRENT RHS	RIGHTHAND SIDE RANGES	
		ALLOWABLE INCREASE	ALLOWABLE DECREASE
CONSTR1	30.000000	9.999999	10.000000
CONSTR2	20.000000	10.000000	5.000000