Sortie Lindo pour l'exercice 3

```
MAX   Z
 SUBJECT TO
     2)  2 Z - X1 - 0.5 X2 - 0.2 X3 - 0.1 X4 <=  0
     3)  2000 Z - 300 X2 - 1000 X3 - 2500 X4 - 1000 X5 <=  0
     4)  - Z + X2 <=  0
     5)  X1 + X2 + 0.6 X3 + X4 + X5 <=  140
     6)  X1 <=  90
     7)  X2 <=  15
     8)  X3 <=  20
     9)  X4 <=  20
     10)  X5 <=  22
 END

 LP OPTIMUM FOUND AT STEP    11

      OBJECTIVE FUNCTION VALUE

      1)    46.000000
```

VARIABLE	VALUE	REDUCED COST
Z	46.000000	0.000000
X1	86.000000	0.000000
X2	0.000000	0.050000
X3	20.000000	0.000000
X4	20.000000	0.000000
X5	22.000000	0.000000

ROW	SLACK OR SURPLUS	DUAL PRICES
2)	0.000000	0.250000
3)	0.000000	0.000250
4)	46.000000	0.000000
5)	0.000000	0.250000
6)	4.000000	0.000000
7)	15.000000	0.000000
8)	0.000000	0.150000
9)	0.000000	0.400000
10)	0.000000	0.000000

NO. ITERATIONS= 11

RANGES IN WHICH THE BASIS IS UNCHANGED:

OBJ COEFFICIENT RANGES

VARIABLE	CURRENT COEF	ALLOWABLE INCREASE	ALLOWABLE DECREASE
Z	1.000000	INFINITY	1.000000
X1	0.000000	0.500000	0.083333
X2	0.000000	0.050000	INFINITY
X3	0.000000	INFINITY	0.150000
X4	0.000000	INFINITY	0.400000
X5	0.000000	0.214286	0.125000

RIGHTHAND SIDE RANGES

ROW	CURRENT RHS	ALLOWABLE INCREASE	ALLOWABLE DECREASE
2	0.000000	0.000000	8.000001
3	0.000000	8000.000488	0.000387
4	0.000000	INFINITY	46.000000
5	140.000000	0.000000	44.000000
6	90.000000	INFINITY	4.000000
7	15.000000	INFINITY	15.000000
8	20.000000	31.428572	0.000000
9	20.000000	5.714286	0.000000
10	22.000000	INFINITY	0.000000