```
MODEL:


SETS:
PRODUKT/1..4/:     x,gewinn;
ENDSETS


MAX = @SUM(PRODUKT(i):  gewinn(i) * x(i));


3*x(1)    + 2*x(2) + 4*x(3) + 1*x(4)    <=  20;
2.5*x(1) + 4*x(2)           + 1.5*x(4) <=  16.5;


DATA:
gewinn = 4,5,3,1;
ENDDATA


END
```

```
MODEL:
  MAX= 4 * X_1 + 5 * X_2 + 3 * X_3 + X_4 ;
  3 * X_1 + 2 * X_2 + 4 * X_3 + X_4 <= 20 ;
  2.5 * X_1 + 4 * X_2 + 1.5 * X_4 <= 16.5 ;
END
```

Global optimal solution found at iteration: 1
Objective value: 29.43750

Variable	Value	Reduced Cost
X(1)	0.000000	0.4375000
X(2)	4.125000	0.000000
X(3)	2.937500	0.000000
X(4)	0.000000	1.062500
GEWINN(1)	4.000000	0.000000
GEWINN(2)	5.000000	0.000000
GEWINN(3)	3.000000	0.000000
GEWINN(4)	1.000000	0.000000

Row	Slack or Surplus	Dual Price
1	29.43750	1.000000
2	0.000000	0.7500000
3	0.000000	0.8750000