**DATA** SUPERFICIE;

INPUT

TRAT N K RESP ;

FA=TRAT;

CARDS;

1 100 90 70

1 100 90 72

1 100 90 68

2 100 110 90

2 100 110 92

2 100 110 89

3 100 130 83

3 100 130 87

3 100 130 80

4 130 90 90

4 130 90 95

4 130 90 85

5 130 110 110

5 130 110 105

5 130 110 115

6 130 130 95

6 130 130 105

6 130 130 100

7 160 90 100

7 160 90 110

7 160 90 95

8 160 110 118

8 160 110 120

8 160 110 125

9 160 130 115

9 160 130 110

9 160 130 105

;

**PROC** **PRINT**; **RUN**;

**PROC** **GLM**;

CLASS N K;

MODEL RESP= N K N\*K;

MEANS N K /T LINES

LSMEANS N\*K/T LINES;

**RUN**;

**PROC** **RSREG**;

MODEL RESP= N K/LACKFIT;

**RUN**;

**PROC** **GLM**;

CLASS FA;

MODEL RESP = N N\*N K K\*K N\*K FA/SS1;

**RUN**;

Dependent Variable: RESP

Sum of

Source DF Squares Mean Square F Value Pr > F

Model 8 5858.296296 732.287037 34.69 <.0001

Error 18 380.000000 21.111111

Corrected Total 26 6238.296296

R-Square Coeff Var Root MSE RESP Mean

0.939086 4.718769 4.594683 97.37037

Source DF Type I SS Mean Square F Value Pr > F

N 1 3960.500000 3960.500000 187.60 <.0001

N\*N 1 93.351852 93.351852 4.42 0.0498

K 1 501.388889 501.388889 23.75 0.0001

K\*K 1 1280.907407 1280.907407 60.67 <.0001

N\*K 1 18.750000 18.750000 0.89 0.3585

FA 3 3.398148 1.132716 0.05 0.9831