```
OPTIONS PS= 64 LS=78 NODATE PAGENO=1;TITLE "EXEMPLO DE PIMENTEL
GOMES";
DATA FAT3x3x3;
input
TRAT$ A      B      C      REP    BL     RESP;
CARDS;
111   1      1      1      1      1      37
112   1      1      2      1      2      60.2
113   1      1      3      1      3      28.3
121   1      2      1      1      2      57.6
122   1      2      2      1      3      66.6
123   1      2      3      1      1      42.6
131   1      3      1      1      3      66.8
132   1      3      2      1      1      68.4
133   1      3      3      1      2      76
211   2      1      1      1      3      32.6
212   2      1      2      1      1      33.5
213   2      1      3      1      2      42.8
221   2      2      1      1      1      45.7
222   2      2      2      1      2      63.4
223   2      2      3      1      3      63.4
231   2      3      1      1      2      58.2
232   2      3      2      1      3      71.1
233   2      3      3      1      1      49.7
311   3      1      1      1      2      56.6
312   3      1      2      1      3      41.3
313   3      1      3      1      1      36.2
321   3      2      1      1      3      50.2
322   3      2      2      1      1      47.4
323   3      2      3      1      2      69.1
331   3      3      1      1      1      59
332   3      3      2      1      2      59.4
333   3      3      3      1      3      55.4
111   1      1      1      2      4      29.3
112   1      1      2      2      5      39.1
113   1      1      3      2      6      24.3
121   1      2      1      2      5      19.5
122   1      2      2      2      6      41.8
123   1      2      3      2      4      37
131   1      3      1      2      6      55.1
132   1      3      2      2      4      64.4
133   1      3      3      2      5      66
211   2      1      1      2      6      37
212   2      1      2      2      4      28.6
213   2      1      3      2      5      27.7
221   2      2      1      2      4      61.3
222   2      2      2      2      5      63
223   2      2      3      2      6      50.8
231   2      3      1      2      5      53.4
232   2      3      2      2      6      56.8
233   2      3      3      2      4      52.8
311   3      1      1      2      5      30.5
312   3      1      2      2      6      36.9
313   3      1      3      2      4      35.2
321   3      2      1      2      6      67.2
322   3      2      2      2      4      55.4
323   3      2      3      2      5      49.5
331   3      3      1      2      4      56.2
332   3      3      2      2      5      43.2
333   3      3      3      2      6      69.5
;
```

```
*COM CONFUNDIMENTO, BLOCOS DE TAMANHO 9;
proc glm;
class A     B     C REP BL     ;
model       RESP =BL A B C A*B A*C B*C A*B*C /SS1  ;
run;*C B*C A*B*C    ;
run;
```

                        The GLM Procedure

                     Class Level Information

              Class   Levels   Values

              A   3   1 2 3

              B   3   1 2 3

              C   3   1 2 3

              REP   2   1 2

              BL   6   1 2 3 4 5 6

          Number of Observations Read   54
          Number of Observations Used   54

Dependent Variable: RESP

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	29	9237.39259	318.53078	5.10	<.0001
Error	24	1498.33556	62.43065		
Corrected Total	53	10735.72815			

R-Square	Coeff Var	Root MSE	RESP Mean
0.860435	15.86136	7.901307	49.81481

Source	DF	Type I SS	Mean Square	F Value	Pr > F
BL	5	1628.330370	325.666074	5.22	0.0022
A	2	42.508148	21.254074	0.34	0.7148
B	2	5251.404815	2625.702407	42.06	<.0001
C	2	160.380370	80.190185	1.28	0.2952
A*B	4	1069.295185	267.323796	4.28	0.0094
A*C	4	622.106296	155.526574	2.49	0.0700
B*C	4	165.049630	41.262407	0.66	0.6251
A*B*C	6	298.317778	49.719630	0.80	0.5820