```
OPTIONS PS= 64 LS=78 NODATE PAGENO=1;TITLE "EXEMPLO BLOCO metade de
2^5";
DATA METADE5x5x5x5x5;
input
TRAT  A      B      C      D      E      AB     AC     AD     AE     BC     BD
      BE     CD     CE     DE     RESP BLOCO;
cards;
11111 -1     -1     -1     -1     -1     1      1      1      1      1      1
      1      1      1      1      20     -1
11122 -1     -1     -1     1      1      1      1      -1     -1     1      -1
      -1     -1     -1     1      22     -1
11212 -1     -1     1      -1     1      1      -1     1      -1     -1     1
      -1     -1     1      -1     22     -1
11221 -1     -1     1      1      -1     1      -1     -1     1      -1     -1
      1      1      -1     -1     24     -1
12112 -1     1      -1     -1     1      -1     1      1      -1     -1     -1
      1      1      -1     -1     25     -1
12121 -1     1      -1     1      -1     -1     1      -1     1      -1     1
      -1     -1     1      -1     22     -1
12211 -1     1      1      -1     -1     -1     -1     1      1      1      -1
      -1     -1     -1     1      23     -1
12222 -1     1      1      1      1      -1     -1     -1     -1     1      1
      1      1      1      1      26     -1
21112 1      -1     -1     -1     1      -1     -1     -1     1      1      1
      -1     1      -1     -1     33     -1
21121 1      -1     -1     1      -1     -1     -1     1      -1     1      -1
      1      -1     1      -1     29     -1
21211 1      -1     1      -1     -1     -1     1      -1     -1     -1     1
      1      -1     -1     1      35     -1
21222 1      -1     1      1      1      -1     1      1      1      -1     -1
      -1     1      1      1      35     -1
22111 1      1      -1     -1     -1     1      -1     -1     -1     -1     -1
      -1     1      1      1      38     -1
22122 1      1      -1     1      1      1      -1     1      1      -1     1
      1      -1     -1     1      33     -1
22212 1      1      1      -1     1      1      1      -1     1      1      -1
      1      -1     1      -1     37     -1
22221 1      1      1      1      -1     1      1      1      -1     1      1
      -1     1      -1     -1     39     -1


11112 -1     -1     -1     -1     1      1      1      1      -1     1      1
      -1     1      -1     -1     25     1
11121 -1     -1     -1     1      -1     1      1      -1     1      1      -1
      1      -1     1      -1     27     1
11211 -1     -1     1      -1     -1     1      -1     1      1      -1     1
      1      -1     -1     1      29     1
11222 -1     -1     1      1      1      1      -1     -1     -1     -1     -1
      -1     1      1      1      24     1
12111 -1     1      -1     -1     -1     -1     1      1      1      -1     -1
      -1     1      1      1      30     1
12122 -1     1      -1     1      1      -1     1      -1     -1     -1     1
      1      -1     -1     1      32     1
12212 -1     1      1      -1     1      -1     -1     1      -1     1      -1
      1      -1     1      -1     23     1
12221 -1     1      1      1      -1     -1     -1     -1     1      1      1
      -1     1      -1     -1     37     1
21111 1      -1     -1     -1     -1     -1     -1     -1     -1     1      1
      1      1      1      1      38     1
```

```
21122 1     -1    -1    1     1     -1    -1    1     1     1     -1
      -1    -1    -1    1     29    1
21212 1     -1    1     -1    1     -1    1     -1    1     -1    1
      -1    -1    1     -1    35    1
21221 1     -1    1     1     -1    -1    1     1     -1    -1    -1
      1     1     -1    -1    35    1
22112 1     1     -1    -1    1     1     -1    -1    1     -1    -1
      1     1     -1    -1    33    1
22121 1     1     -1    1     -1    1     -1    1     -1    -1    1
      -1    -1    1     -1    33    1
22211 1     1     1     -1    -1    1     1     -1    -1    1     -1
      -1    -1    -1    1     32    1
22222 1     1     1     1     1     1     1     1     1     1     1
      1     1     1     1     32    1
```

```
proc glm;
class TRAT  A     B     C     D     E     BLOCO ;
model        RESP =     BLOCO A     B     C     D     E     A*B   A*C
      A*D   A*E   B*C   B*D   B*E   C*D   C*E   D*E /SS3 ;
run;
```

Source	DF	Sum of Squares	Mean Square	F Value	Pr > F
Model	16	772.0000000	48.2500000	3.25	0.0138
Error	15	222.7187500	14.8479167		
Corrected Total	31	994.7187500			

R-Square	Coeff Var	Root MSE	RESP Mean
0.776099	12.88460	3.853299	29.90625

Source	DF	Type III SS	Mean Square	F Value	Pr > F
BLOCO	1	30.0312500	30.0312500	2.02	0.1754
A	1	569.5312500	569.5312500	38.36	<.0001
B	1	34.0312500	34.0312500	2.29	0.1508
C	1	11.2812500	11.2812500	0.76	0.3971
D	1	0.0312500	0.0312500	0.00	0.9640
E	1	19.5312500	19.5312500	1.32	0.2694
A*B	1	9.0312500	9.0312500	0.61	0.4476
A*C	1	2.5312500	2.5312500	0.17	0.6855
A*D	1	34.0312500	34.0312500	2.29	0.1508
A*E	1	0.0312500	0.0312500	0.00	0.9640
B*C	1	5.2812500	5.2812500	0.36	0.5598
B*D	1	19.5312500	19.5312500	1.32	0.2694
B*E	1	0.0312500	0.0312500	0.00	0.9640
C*D	1	30.0312500	30.0312500	2.02	0.1754
C*E	1	7.0312500	7.0312500	0.47	0.5019
D*E	1	0.0312500	0.0312500	0.00	0.9640