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**;

Sum of

Source DF 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