data one;

input yr rep trt buac gn;

cards;

2003 1 1 29.88109756 1.970387936

2003 1 2 32.0945122 1.914626837

2003 1 3 53.95198171 1.851969123

2003 1 4 50.35518293 1.821092963

2003 1 5 71.93597561 1.963828087

2003 1 6 80.78963415 2.209946632

2003 1 7 88.8132622 2.672821283

2003 1 8 70.27591463 2.546777248

2003 1 9 73.31935976 2.218581676

2003 1 10 83.27972561 2.157410383

2003 1 11 73.04268293 2.675846577

2003 1 12 97.94359756 2.663606405

2003 1 13 71.38262195 .

2003 1 14 76.63948171 2.125741243

2003 2 1 22.6875 1.89458847

2003 2 2 39.56478659 1.776858568

2003 2 3 44.26829268 1.875116944

2003 2 4 73.59603659 2.396464348

2003 2 5 69.9992378 1.872512221

2003 2 6 98.77362805 2.288419008

2003 2 7 84.93978659 2.727875233

2003 2 8 74.14939024 2.210676908

2003 2 9 90.47332317 2.218745947

2003 2 10 97.11356707 2.209470749

2003 2 11 87.15320122 2.309687138

2003 2 12 97.66692073 2.404773235

2003 2 13 77.74618902 2.741914749

2003 2 14 95.73018293 2.243032694

2003 3 1 32.0945122 1.838460803

2003 3 2 38.7347561 1.839552999

2003 3 3 63.08231707 1.93320477

2003 3 4 74.42606707 1.997364521

2003 3 5 73.31935976 2.284578085

2003 3 6 91.85670732 2.508112431

2003 3 7 85.76981707 2.434265614

2003 3 8 91.58003049 2.200210571

2003 3 9 72.48932927 2.121579409

2003 3 10 96.00685976 2.188293457

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2003 4 3 57.54878049 1.905510187

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2003 4 5 87.70655488 2.21556139

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2003 4 9 93.79344512 2.303760767

2003 4 10 89.08993902 2.525472641

2003 4 11 89.64329268 2.401524544

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2004 1 5 45.78079268 2.367846489

2004 1 6 46.85060976 2.388819218

2004 1 7 64.81615854 2.553407192

2004 1 8 60.64756098 2.619785547

2004 1 9 53.65685976 2.22665

2004 1 10 51.7570122 2.270257235

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2004 1 12 58.26814024 2.326562643

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2006 3 14 43.34821402 1.9076

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2006 4 2 36.77385735 1.7759

2006 4 3 44.54848553 1.7597

2006 4 4 39.77671343 2.1603

2006 4 5 33.25760506 2.2913

2006 4 6 30.16475271 2.4246

2006 4 7 41.67208871 2.8957

2006 4 8 61.93312179 1.8519

2006 4 9 62.70926437 2.17

2006 4 10 23.06291611 2.6098

2006 4 11 56.25154543 2.3124

2006 4 12 48.6937247 2.1262

2006 4 13 25.04749466 2.9388

2006 4 14 62.0270271 1.8505

proc print;

data two; set one;

proc sort; by yr;

proc glm;

class yr rep trt;

model buac = yr rep(yr) trt yr\*trt rep\*yr\*trt;

contrast ‘N-lin’ trt 0 -5 -3 -1 1 3 5;

contrast ‘N-quad’ trt 5 -1 -4 -4 -1 5;

contrast ‘2-7v10’ trt 0 1 1 1 1 1 1 0 0 -6;

test h= yr e=rep(yr);

means trt yr\*trt;

run;