. use "infert.dta", clear

. * Model 1a

. logistic case i.induced

Logistic regression

Number of obs = 248 = 0.07 LR chi2(2) = 0.07 Prob > chi2 = 0.9642 Pseudo R2 = 0.0002

32.50 2200

Log likelihood = -158.04909

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|-------------------|------------------------|----------------------|--------------|----------------|----------------------|---------------------|
| induced 1 2 | 1.043972 1.106383 | .3258024 .4289044 | 0.14 0.26 | 0.890 0.794 | .5662992 .5175183 | 1.92456 2.365295 |
| _cons | .4895833 | .0871586 | -4.01 | 0.000 | .3453748 | .6940051 |

- . testparm i.induced
- (1) [case]1.induced = 0
 (2) [case]2.induced = 0

chi2(2) = 0.07Prob > chi2 = 0.9641

- . * Model 1b
- . logistic case i.spont

Number of obs = Logistic regression LR chi2(2) = 32.50 Prob > chi2 = 0.0000 Pseudo R2 = 0.1028 Log likelihood = -141.83459

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|-------|------------------|-----------|-------|--------|------------|-----------|
| + | | | | | | |
| spont | | | | | | |
| . 1 i | 3.127679 | .998028 | 3.57 | 0.000 | 1.67343 | 5.845702 |
| 2 | 8.071429 | 3.323663 | 5.07 | 0.000 | 3.601153 | 18.09086 |
| ļ | | | | | | |
| _cons | . 2477876 | .0523083 | -6.61 | 0.000 | .1638286 | .374774 |

- . testparm i.spont
- (1) [case]1.spont = 0
- (2) [case]2.spont = 0

chi2(2) = 29.60Prob > chi2 = 0.0000

- . * Model 1c
- . logistic case i.spont i.induced

Number of obs = Logistic regression 248 36.70 LR chi2(4) = 36.70 Prob > chi2 = 0.0000 Pseudo R2 = 0.1161 Log likelihood = -139.73466

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|-------------------|------------------------------|---------------------|--------------|----------------|----------------------|----------------------|
| spont 1 2 | 3.630192 10.52532 | 1.21331 4.629816 | 3.86 5.35 | 0.000 0.000 | 1.885535 4.444404 | 6.989152 24.92624 |
| induced 1 2 | 1.585398 2.281856 | .556069 .9858962 | 1.31 1.91 | 0.189 0.056 | .7972313 .9784062 | 3.152769 5.321787 |
| _cons | 174779 | .0503772 | -6.05 | 0.000 | .0993446 | .3074921 |

- . testparm i.spont
- (1) [case]1.spont = 0
 (2) [case]2.spont = 0

chi2(2) = 32.17Prob > chi2 = 0.0000

- . testparm i.induced
- (1) [case]1.induced = 0
 (2) [case]2.induced = 0

chi2(2) =4.15 Prob > chi2 = 0.1253

- . estimates store mult1
- . * Model 1d
- . logistic case g2-g8

Logistic regression

Number of obs = 248 LR chi2(7) 43.02 Prob > chi2 0.0000 Pseudo R2 0.1361

Log likelihood = -136.57398

| C | ase | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|---|--|--|---|---|---|--|---|
| | g2 g3 g4 g5 g6 g7 g8 | 3.116883 3.857143 7.542857 3.896104 8.571428 14.02597 51.42857 .1166667 | 1.62903 2.184093 3.733359 2.614843 6.960949 7.758639 59.22532 .0465972 | 2.18 2.38 4.08 2.03 2.65 4.77 3.42 -5.38 | 0.030 0.017 0.000 0.043 0.008 0.000 0.001 | 1.119032 1.271382 2.859112 1.045569 1.744951 4.743299 5.382175 .0533302 | 8.681578 11.70188 19.89942 14.51806 42.10397 41.47492 491.418 |
| | | | | | | | |

- . test g2 g3 g4 g5 g6 g7 g8
- (1) [case]g2 = 0
- [case]g3 = 0
- (2) [case]g4 = 0
- (4) [case]g5 = 0
- (5) [case]g6 = 0
- (6) [case]g7 = 0(7) [case]g8 = 0

chi2(7) =33.25 Prob > chi2 = 0.0000

. lrtest mult1

Likelihood-ratio test LR chi2(3) =6.32 (Assumption: mult1 nested in .) Prob > chi2 = 0.0970

. * Model 2a

. logistic case i.educ age i.parity i.induced

Logistic regression Number of obs 248 LR chi2(10) 0.18 Prob > chi2 1.0000 = Pseudo R2 0.0006

Log likelihood = -157.99559

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|---------|----------------|-----------|-------|--------|------------------|-----------|
| educ | | | | | | |
| 1 | 1.206491 | 1.012619 | 0.22 | 0.823 | .2328638 | 6.250947 |
| 2 | 1.213706 | 1.024788 | 0.23 | 0.819 | .2319554 | 6.350708 |
| age | 1.002931 | .0275681 | 0.11 | 0.915 | .9503279 | 1.058445 |
| parity | | | | | | |
| 2 | .9748148 | .3221734 | -0.08 | 0.938 | . 5100379 | 1.863124 |
| 3 | .9591504 | .4218153 | -0.09 | 0.924 | .4050841 | 2.271058 |
| 4 | .9716015 | .5819457 | -0.05 | 0.962 | .30037 | 3.142822 |
| 5 | .9390403 | .8611942 | -0.07 | 0.945 | . 1556134 | 5.666586 |
| 6 | 1.278163 | 1.259914 | 0.25 | 0.803 | .1851559 | 8.823372 |
| induced | [[| | | | | |
| 1 | 1.054825 | .342424 | 0.16 | 0.869 | . 5582874 | 1.99298 |
| 2 | 1.122426 | .5040015 | 0.26 | 0.797 | .4655261 | 2.706273 |
| _cons | .3741743 | .4818967 | -0.76 | 0.445 | .029979 | 4.670151 |

- . testparm i.induced
- (1) [case]1.induced = 0(2) [case]2.induced = 0

chi2(2) =0.07 Prob > chi2 = 0.9640

. * Model 2b

. logistic case i.educ age i.parity i.spont

Logistic regression Number of obs 248 LR chi2(10) 38.90 = Prob > chi2 0.0000 = Log likelihood = -138.63556Pseudo R2 0.1230

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|--------------------|------------------------|----------------------|----------------|----------------|---------------------|----------------------|
| educ 1 2 | .6959923 5705531 | .5928765 .4967669 | -0.43 -0.64 | 0.671 0.519 | .1310732 .103556 | 3.695685 3.143525 |
| age | 1.01646 | .0302286 | 0.55 | 0.583 | .9589071 | 1.077468 |
| parity 2 | . 6945949 | .253252 | -1.00 | 0.318 | .3399228 | 1.419329 |

| 3 4 5 6 | .4624261 .3373544 .2125568 .4776534 | .2263061 .2159754 .2072895 .500294 | -1.58 -1.70 -1.59 -0.71 | 0.115 0.090 0.112 0.481 | .1772041 .0961932 .0314316 .0613147 | 1.206732 1.183119 1.437419 3.721012 |
|------------------------|--|---|----------------------------------|----------------------------------|--|--|
| spont 1 2 | 3.893108 13.13058 | 1.358414 6.226021 | 3.90 5.43 | 0.000 0.000 | 1.964666 5.184135 | 7.714439 33.25763 |
| _cons | .2849696 | .3878218 | -0.92 | 0.356 | .0197869 | 4.104105 |

- . testparm i.spont
- (1) [case]1.spont = 0
- (2) [case]2.spont = 0

chi2(2) = 33.62 Prob > chi2 = 0.0000

* Model 2c

. logistic case i.educ age i.parity i.spont i.induced

Logistic regression Number of obs = Number of LR chi2(12) = chi2 = 63.57

0.0000 Log likelihood = -126.30143Pseudo R2 0.2011

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|---------|----------------------------|-----------|----------------|-------|------------|------------------|
| educ | + | | | | | |
| 1 | 8004386 | .7134712 | -0.25 | 0.803 | .1395113 | 4.592475 |
| 2 | .4897589 | .444145 | -0.79 | 0.431 | .0828053 | 2.896722 |
| | | | | | | |
| age | 1.041883 | .0330526 | 1.29 | 0.196 | .9790739 | 1.108721 |
| nanity | | | | | | |
| parity | l l . 2652694 | .1227243 | -2.87 | 0.004 | .107124 | .6568818 |
| 2 | 1 .0892426 | .0582429 | -2.07 -3.70 | 0.004 | .024834 | .3206985 |
| 3 4 | | | | | | |
| 4 | .039799 | .0328989 | -3 . 90 | 0.000 | .0078749 | .2011402 |
| 5 | .016067 | .0186983 | -3.55 | 0.000 | .0016419 | .1572298 |
| 6 | .0592782 | .0671945 | -2.49 | 0.013 | .0064272 | . 5467261 |
| spont | | | | | | |
| 1 | 9.23552 | 3.981817 | 5.16 | 0.000 | 3,967098 | 21,50056 |
| 2 | 95.17099 | 67.04432 | 6.47 | 0.000 | 23,92576 | 378.5676 |
| 2 | 33 . 17 . 33 | 07104432 | 0147 | 0.000 | 23132370 | 37013070 |
| induced | İ | | | | | |
| 1 | 4.441559 | 1.941694 | 3.41 | 0.001 | 1.885471 | 10.46287 |
| 2 | 21,22015 | 14.45842 | 4.48 | 0.000 | 5.581865 | 80.671 |
| _ | | 2.1.3012 | | 0.000 | 51551005 | 2010,1 |
| _cons | .0651839 | .0951934 | -1.87 | 0.062 | .0037244 | 1.140827 |

- . testparm i.spont
- (1) [case]1.spont = 0
 (2) [case]2.spont = 0

chi2(2) = 44.68Prob > chi2 = 0.0000

. testparm i.induced

(1) [case]1.induced = 0
(2) [case]2.induced = 0

chi2(2) = 21.08 Prob > chi2 = 0.0000

. estimates store mult2

* Model 2d

. logistic case i.educ age i.parity g2-g8

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|--------|-------------------------|-----------|-------|-------|------------|-----------|
| educ | r I | | | | | |
| 1 | ı I . 8856477 | .80598 | -0.13 | 0.894 | .1488088 | 5.271005 |
| 2 | 5407571 | .5002599 | -0.66 | 0.506 | .0882159 | 3.314801 |
| _ | | 1000200 | 0.00 | 0.000 | 10002200 | 0.01.001 |
| age | 1.049899 | .034284 | 1.49 | 0.136 | .9848089 | 1.119292 |
| J | İ | | | | | |
| parity | İ | | | | | |
| 2 | .3257562 | .155686 | -2.35 | 0.019 | .1276688 | .8311904 |
| 3 | .1138138 | .0766315 | -3.23 | 0.001 | .0304142 | .425906 |
| 4 | .0542342 | .0473098 | -3.34 | 0.001 | .0098118 | .2997759 |
| 5 | .0128773 | .018298 | -3.06 | 0.002 | .0007949 | .2086129 |
| 6 | .0719535 | .0833461 | -2.27 | 0.023 | .0074315 | .6966689 |
| | | | | | | |
| g2 | 5.121103 | 2.914494 | 2.87 | 0.004 | 1.678543 | 15.62409 |
| g3 | 21.28257 | 16.0062 | 4.07 | 0.000 | 4.873627 | 92.93854 |
| g4 | 12.21333 | 6.75457 | 4.52 | 0.000 | 4.131216 | 36.1069 |
| g5 | 25.15582 | 21.42753 | 3.79 | 0.000 | 4.737962 | 133.5628 |
| g6 | 167.6361 | 190.5283 | 4.51 | 0.000 | 18.06869 | 1555.279 |
| g7 | 76.0395 | 56.57479 | 5.82 | 0.000 | 17.69007 | 326.8503 |
| g8 | 1255.104 | 1925.097 | 4.65 | 0.000 | 62.10035 | 25366.78 |
| _cons | .0396011 | .0613427 | -2.08 | 0.037 | .0019019 | .824578 |
| | | | | | | |

- . test g2 g3 g4 g5 g6 g7 g8
- (1) [case]g2 = 0
- (2) [case]g3 = 0
- (3) [case]g4 = 0
- (4) [case]g5 = 0
- (5) [case]g6 = 0
- (6) [case]g7 = 0 (7) [case]g8 = 0

chi2(7) = 45.14 Prob > chi2 = 0.0000

. lrtest mult2

Likelihood-ratio test (Assumption: mult2 nested in .)

LR chi2(3) = 2.34 Prob > chi2 = 0.5042

. * Model 3a

. clogit case i.induced, group(matchset) or

Iteration 0: $\log likelihood = -90.724689$

Iteration 1: log likelihood = -90.71761
Iteration 2: log likelihood = -90.71761

Conditional (fixed-effects) logistic regression Number of obs = 248

LR chi2(2) = 0.12 Prob > chi2 = 0.9401 Pseudo R2 = 0.0007

Log likelihood = -90.71761

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|-------------------|------------|----------------------|--------------|----------------|----------------------|----------------------|
| induced 1 2 | 1.07189 | .3423532 .5153444 | 0.22 0.34 | 0.828 0.735 | .5731695 .4871287 | 2.004552 2.771457 |

- . testparm i.induced
- (1) [case]1.induced = 0
- (2) [case]2.induced = 0

chi2(2) = 0.12Prob > chi2 = 0.9399

* Model 3b

. clogit case i.spont, group(matchset) or

Iteration 0: log likelihood = -73.911183
Iteration 1: log likelihood = -73.753204
Iteration 2: log likelihood = -73.752949
Iteration 3: log likelihood = -73.752949

Conditional (fixed-effects) logistic regression Number of obs = 248

LR chi2(2) = 34.05 Prob > chi2 = 0.0000 Pseudo R2 = 0.1876

Log likelihood = -73.752949

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|-----------------|------------|----------------------|--------------|----------------|---------------------|----------------------|
| spont 1 2 | 3.776426 | 1.387174 4.650162 | 3.62 4.75 | 0.000 0.000 | 1.838288 3.80468 | 7.757973 24.82487 |

- . testparm i.spont
- (1) [case]1.spont = 0
- (2) [case]2.spont = 0

$$chi2(2) = 26.46$$

Prob > $chi2 = 0.0000$

* Model 3c

. clogit case i.spont i.induced, group(matchset) or

Iteration 0: log likelihood = -68.924975
Iteration 1: log likelihood = -64.285113
Iteration 2: log likelihood = -64.176583
Iteration 3: log likelihood = -64.176233
Iteration 4: log likelihood = -64.176233

Conditional (fixed-effects) logistic regression Number of obs = $\frac{248}{LR}$ chi2(4) = $\frac{53.21}{LR}$

Log likelihood = -64.176233

Prob > chi2 = 0.0000 Pseudo R2 0.2931

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|-------------------|------------------------------|----------------------|--------------|----------------|----------------------|----------------------|
| spont 1 2 | 7.719547 51.16314 | 3.496259 37.07509 | 4.51 5.43 | 0.000 0.000 | 3.177417 12.36342 | 18.75467 211.7268 |
| induced 1 2 | 4.000705 16.76543 | 1.853803 12.32684 | 2.99 3.83 | 0.003 0.000 | 1.613303 3.967948 | 9.921037 70.83754 |

- . testparm i.spont
- (1) [case]1.spont = 0
 (2) [case]2.spont = 0

chi2(2) = 31.85Prob > chi2 = 0.0000

- . testparm i.induced
- (1) [case]1.induced = 0
- (2) [case]2.induced = 0

chi2(2) = 15.15Prob > chi2 = 0.0005

- . estimates store mult3
- * Model 3d
- . clogit case g2-g8, group(matchset) or

Iteration 0: $log\ likelihood = -66.757421$ $log\ likelihood = -62.748393$ Iteration 1: Iteration 2: $log\ likelihood = -62.680115$ Iteration 3: $log\ likelihood = -62.679839$ $log\ likelihood = -62.679839$ Iteration 4:

248 Conditional (fixed-effects) logistic regression Number of obs = LR chi2(7) 56.20 =

Prob > chi2 0.0000 = Log likelihood = -62.679839Pseudo R2 0.3095

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|------------|----------------------|----------------------|--------------|----------------|---------------------|----------------------|
| g2 | 4.321102 16.81592 | 2.622034 13.47805 | 2.41 3.52 | 0.016 0.000 | 1.31549 3.495251 | 14.19389 80.90271 |
| g3 | | 6.493145 | | 0.000 | 3.495251 | 35.25411 |
| g4 | 10.54138 16.58736 | 15.27682 | 3.82 3.05 | 0.000 | 3.15199 2.727897 | 100.8618 |
| g5 g6 | 155.0849 | 204.4873 | 3.83 | 0.002 | 11.70083 | 2055.521 |
| g7 | 36.52221 | 27.59824 | 4.76 | 0.000 | 8.30503 | 160.6101 |
| g8 | 666.946 | 1021.916 | 4.24 | 0.000 | 33.10185 | 13437.83 |

- . test g2 g3 g4 g5 g6 g7 g8
- (1) [case]g2 = 0

- (2) [case]g3 = 0 (3) [case]g4 = 0 (4) [case]g5 = 0

```
(5) [case]q6 = 0
 (6) [case]g7 = 0
 (7) [case]g8 = 0
         chi2(7) = 33.16
        Prob > chi2 =
                     0.0000
. lrtest mult3
                                                LR chi2(3) =
Likelihood-ratio test
                                                               2.99
(Assumption: mult3 nested in .)
                                                Prob > chi2 =
                                                               0.3927
. set matsize 200
. * Model 4a

    logistic case i.matchset i.induced

                                            Number of obs =
                                                                  248
Logistic regression
                                                                0.42
                                            LR chi2(84) =
                                                         = 1.0000
                                            Prob > chi2
Log likelihood = -157.87589
                                            Pseudo R2
                                                               0.0013
      case | Odds Ratio Std. Err. z P>|z| [95% Conf. Interval]
   matchset |
        2
             1.163021 2.059734
                                   0.09 0.932
                                                   .0361487
                                                              37.41817
                                   -0.02
                                                   .0316561
        3
              .9606712 1.672726
                                          0.982
                                                              29.15359
                                                   .0359682
                                    0.06
                                          0.950
        4
               1.115037
                         1.953632
                                                              34.56689
```

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1.077419

1.077419

1.204623

1.115037

1.163021

1.204623

1.163021

1.077419

1.163021

1.115037

1.085373

1.077419

1.077419

1.163021

1.077419

1.163021

1.204623

1.115037

1.115037

1.204623

1.163021

1.204623

1.204623

1.204623

1.077419

1.041537

1.204623

1.123292

1.123292

1.115037

1.163021

1.204623

1.204623 2.151028 1 1.732679 1.204623 2.151028

1.877301

1.877301

2.151028

1.953632

2.059734

2.151028

2.059734

1.877301

2.059734

1.953632

1.921643

1.877301

1.877301

2.059734

1.877301

2.059734

2.151028

1.953632

1.953632

2.151028

2.059734

2.151028

2.151028

2.151028

1.877301

1.814416

2.151028

1.98391

1.98391

1.953632

2.059734

2.151028

0.04

0.04

0.10

0.06

0.09

0.10

0.09

0.04

0.09

0.06

0.05

0.04

0.04

0.09

0.04

0.09

0.10

0.06

0.06

0.10

0.09

0.10

0.10

0.10

0.04

0.02

0.10

0.07

0.07

0.06

0.09

0.10

0.10

0.00

0.966

0.966

0.917

0.950

0.932

0.917

0.932

0.966

0.932

0.950

0.963

0.966

0.966

0.932

0.966

0.932

0.917

0.950

0.950

0.917

0.932

0.917

0.917

0.917

0.966

0.981

0.917

0.948

0.948

0.950

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.0363838

32.77355

32.77355

39.88359

34.56689

37.41817

39.88359

37.41817

32.77355

37.41817

34.56689

34.88382

32.77355

32.77355

37.41817

32.77355

37.41817

39.88359

34.56689

34.56689

39.88359

37.41817

39.88359

39.88359

39.88359

32.77355

31.66035

39.88359

35.79708

35.79708

34.56689

37.41817

39.88359

39.88359

29.84414

39.88359

| 40 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
|----------------|----------|------------------|-------|-------|------------------|----------|
| 41 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 42 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| 43 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| 44 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 45 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 46 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 47 | 1.123292 | 1.98391 | 0.03 | 0.948 | .0352483 | 35.79708 |
| 48 | 9606712 | 1.672726 | -0.02 | 0.940 | .0316561 | 29.15359 |
| 49 | 1.041537 | 1.814416 | 0.02 | 0.982 | .0342636 | 31.66035 |
| | • | | 0.02 | 0.961 | .0352483 | 35.79708 |
| 50 | 1.123292 | 1.98391 | | | | |
| 51 | 1 041527 | 1.732679 | 0.00 | 1.000 | .0335074 | 29.84414 |
| 52 | 1.041537 | 1.814416 | 0.02 | 0.981 | .0342636 | 31.66035 |
| 53 | 1.041537 | 1.814416 | 0.02 | 0.981 | .0342636 | 31.66035 |
| 54 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 55 | 1.123292 | 1.98391 | 0.07 | 0.948 | .0352483 | 35.79708 |
| 56 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 57 | 1.041537 | 1.814416 | 0.02 | 0.981 | .0342636 | 31.66035 |
| 58 | 1.077419 | 1.877301 | 0.04 | 0.966 | .0354197 | 32.77355 |
| 59 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 60 | 1.123292 | 1.98391 | 0.07 | 0.948 | .0352483 | 35.79708 |
| 61 | 1.077419 | 1.877301 | 0.04 | 0.966 | .0354197 | 32.77355 |
| 62 | 1.123292 | 1.98391 | 0.07 | 0.948 | .0352483 | 35.79708 |
| 63 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| 64 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 65 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 66 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 67 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| 68 | 1 | 1.732679 | 0.00 | 1.000 | .0335074 | 29.84414 |
| 69 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 70 | 1.123292 | 1.98391 | 0.07 | 0.948 | .0352483 | 35.79708 |
| 71 | 1.123292 | 1.98391 | 0.07 | 0.948 | .0352483 | 35.79708 |
| 72 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 73 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| 74 | 2.409246 | 4.627085 | 0.46 | 0.647 | .0558603 | 103.9104 |
| 75 | 1.163021 | 2.059734 | 0.09 | 0.047 | .0361487 | 37.41817 |
| 76 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 77 | 1.115037 | 1.953632 | 0.06 | 0.950 | .0359682 | 34.56689 |
| 78 | 1.163021 | 2.059734 | 0.09 | 0.932 | .0361487 | 37.41817 |
| 78 79 | 1.103021 | 2.151028 | 0.09 | 0.932 | .0363838 | 39.88359 |
| 80 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| | • | | | | | |
| 81 | 1.033926 | 1.796917 | 0.02 | 0.985 | .0342877 | 31.17742 |
| 82 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| 83 | 1.204623 | 2.151028 | 0.10 | 0.917 | .0363838 | 39.88359 |
| المسابية المسا | | | | | | |
| induced | 1 10007 | 42.462.72 | 0.07 | 0.700 | F1F1F74 | 2 204422 |
| 1 | 1.10987 | .4346273 | 0.27 | 0.790 | .5151574 | 2.391136 |
| 2 | 1.253939 | .6851311 | 0.41 | 0.679 | . 4297285 | 3.658968 |
| | 4450675 | E202525 | 0.00 | 0 400 | 0225447 | F 200051 |
| _cons | 4150677 | . 5393525 | -0.68 | 0.499 | .0325117 | 5.299051 |

. testparm i.induced

(1) [case]1.induced = 0
(2) [case]2.induced = 0

chi2(2) = 0.19 Prob > chi2 = 0.9112

. * Model 4b
. logistic case i.matchset i.spont

Logistic regression

Number of obs = 248 LR chi2(84) = 54.57

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval |
|----------|------------|----------------------|----------------|----------|--------------------|----------|
| matchset | | | | | | |
| 2 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 3 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 4 | 4643176 | 1.073494 | -0.33 | 0.740 | .0049987 | 43.129 |
| 5 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 6 | .3130873 | .6975866 | -0.52 | 0.602 | .0039729 | 24.6728 |
| 7 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 8 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 9 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.5572 |
| 10 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.5572 |
| 11 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 12 | 5914041 | 1.304178 | -0.24 | 0.812 | .0078487 | 44.5628 |
| 13 | i 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 14 | .4643176 | 1.073494 | -0.33 | 0.740 | .0049987 | 43.129 |
| 15 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 16 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 17 | 1741389 | .3846817 | -0.79 | 0.429 | .0022938 | 13.2203 |
| 18 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 19 | 5914041 | 1.304178 | -0.24 | 0.733 | .0078487 | 44.5628 |
| 20 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 21 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 22 | 1 4.936278 | 10.7523 | 0.73 | 0.750 | .0690708 | 352.780 |
| 23 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 24 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.5572 |
| 25 | 3130873 | .6975866 | -0.01 -0.52 | 0.602 | .0039729 | 24.6728 |
| | ! | | | | | |
| 26 27 | 1 1 | 2.511237 2.511237 | 0.00 | 1.000 | .007285 .007285 | 137.267 |
| | • | | 0.00 | 1.000 | | 137.267 |
| 28 | 1 1741200 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 29 | 1741389 | .3846817 | -0.79 | 0.429 | .0022938 | 13.2203 |
| 30 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.5572 |
| 31 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 32 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 33 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 34 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 35 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 36 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 37 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 38 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 39 | 4643176 | 1.073494 | -0.33 | 0.740 | .0049987 | 43.129 |
| 40 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 41 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 42 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 43 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 44 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 45 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 46 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 47 | j 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 48 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| 49 | i 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.780 |
| 50 | j 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 51 | .4643176 | 1.073494 | -0.33 | 0.740 | .0049987 | 43.129 |
| 52 | .3130873 | .6975866 | -0.52 | 0.602 | .0039729 | 24.6728 |
| 53 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.5572 |
| 54 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.5572 |
| 55 | 4643176 | 1.073494 | -0.33 | 0.740 | .0049987 | 43.129 |
| 56 | 4643176 | 1.073494 | -0.33 | 0.740 | .0049987 | 43.129 |
| 57 | 2.138658 | 4.856283 | 0.33 | 0.740 | .0249635 | 183.221 |
| 58 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |
| 59 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.221 |
| | - Z.IJ00J0 | +.U.JU/0.) | دد. ب | v • / JO | • UZ43UJJ | 102.221 |
| 60 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.267 |

| 61 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.2678 |
|-------|----------|----------|-------|-------|------------------|----------|
| 62 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.2219 |
| 63 | 2.138658 | 4.856283 | 0.33 | 0.738 | . 0249635 | 183.2219 |
| 64 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.2678 |
| 65 | 4643176 | 1.073494 | -0.33 | 0.740 | .0049987 | 43.1298 |
| 66 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.2219 |
| 67 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.55722 |
| 68 | 1 | 2.511237 | 0.00 | 1.000 | .007285 | 137.2678 |
| 69 | .1741389 | .3846817 | -0.79 | 0.429 | .0022938 | 13.22036 |
| 70 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.7805 |
| 71 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.7805 |
| 72 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.2219 |
| 73 | 9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.55722 |
| 74 | .2254141 | .5172963 | -0.65 | 0.516 | .0025095 | 20.24784 |
| 75 | .1741389 | .3846817 | -0.79 | 0.429 | .0022938 | 13.22036 |
| 76 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.2219 |
| 77 | .9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.55722 |
| 78 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.2219 |
| 79 | .9858993 | 2.214878 | -0.01 | 0.995 | .0120659 | 80.55722 |
| 80 | 2.138658 | 4.856283 | 0.33 | 0.738 | .0249635 | 183.2219 |
| 81 | 4.936278 | 10.7523 | 0.73 | 0.464 | .0690708 | 352.7805 |
| 82 | .5914041 | 1.304178 | -0.24 | 0.812 | .0078487 | 44.56286 |
| 83 | .5914041 | 1.304178 | -0.24 | 0.812 | .0078487 | 44.56286 |
| | | | | | | |
| spont | | | | | | |
| 1 | 8.346709 | 3.987161 | 4.44 | 0.000 | 3.272673 | 21.28766 |
| 2 | 43.79742 | 27.98838 | 5.91 | 0.000 | 12.51686 | 153.2505 |
| | 1012000 | 1024542 | 1 27 | 0 204 | 0020550 | 2 450054 |
| _cons | .1012909 | .1824543 | -1.27 | 0.204 | .0029669 | 3.458051 |

- . testparm i.spont
- (1) [case]1.spont = 0
 (2) [case]2.spont = 0

chi2(2) = 40.61 Prob > chi2 = 0.000 0.0000

* Model 4clogistic case i.matchset i.spont i.induced

Number of obs = LR chi2(86) = 248 84.29 Logistic regression Prob > chi2 Pseudo R2 0.5320 = Log likelihood = -115.940980.2666

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|----------|------------|-----------|-------|--------|------------|-----------|
| matchset | | | | | | |
| 2 | 210.8476 | 529.4891 | 2.13 | 0.033 | 1.536018 | 28942.82 |
| 3 | 5.844784 | 13.41899 | 0.77 | 0.442 | .0649385 | 526.0593 |
| 4 | 3.421265 | 8.284147 | 0.51 | 0.611 | .0297244 | 393.7858 |
| 5 | 7.114426 | 17.16951 | 0.81 | 0.416 | .0627919 | 806.0768 |
| 6 | .6310179 | 1.478417 | -0.20 | 0.844 | .0063937 | 62.27721 |
| 7 | 484.5301 | 1212.151 | 2.47 | 0.013 | 3.596391 | 65279.17 |
| 8 | 19.88305 | 48.60797 | 1.22 | 0.221 | .1650271 | 2395.579 |
| 9 | 25.6672 | 61.80473 | 1.35 | 0.178 | .2289536 | 2877.461 |
| 10 | 34.45331 | 85.87153 | 1.42 | 0.156 | .2604317 | 4557.934 |
| 11 | 58.16497 | 143.9944 | 1.64 | 0.101 | . 45437 | 7445.832 |
| 12 | 1.28562 | 3.239362 | 0.10 | 0.921 | .0092119 | 179.4216 |
| 13 | 210.8476 | 529.4891 | 2.13 | 0.033 | 1.536018 | 28942.82 |
| 14 | 3.421265 | 8.284147 | 0.51 | 0.611 | .0297244 | 393.7858 |
| 15 | 15.1035 | 38.88883 | 1.05 | 0.292 | .097137 | 2348.391 |

| 16 33,75979 85,16321 1.40 0.163 .2465137 4738,796 17 .221629 5.143468 -0.59 -0.161 .0234343 20,94389 18 58,16497 143,9944 1.64 0.101 .45437 7445,832 20 58,16497 143,9944 1.64 0.101 .45437 7445,832 21 124,8108 332,9972 1.81 0.070 .666484 23526,257 22 72,39353 205,7164 1.51 0.132 .2759881 18980,31 23 4,204599 10,47799 0.58 0.564 .0318056 555,8344 24 2,06869 99,8921 0.35 0.726 .0213175 251,3951 25 2,314976 5,536784 0.35 0.726 .0213175 251,3951 26 26,98669 99,8921 0.89 0.373 .0190721 38185.6 27 26,3866 99,8921 0.89 0.3573 .0190721 38185.6< | | | | | | | |
|--|------|-------------------|-------------------|-------|----------------|----------------|-------------------|
| 17 | 16 I | 33 75070 | 85 16321 | 1 //0 | a 163 | 2405137 | 1738 706 |
| 18 | | | | | | | |
| 1, 28562 3, 239362 0, 10 0, 921 .0092119 179, 4216 | 1/ | .221629 | . 5143468 | -0.65 | 0.516 | .0023453 | 20.94389 |
| 1, 28562 3, 239362 0, 10 0, 921 .0092119 179, 4216 | 18 İ | 58.16497 | 143.9944 | 1.64 | 0.101 | . 45437 | 7445.832 |
| 20 | | | | | | | |
| 124.8108 332.9072 1.81 0.070 .6696484 23262.57 127.39353 265.7164 1.51 0.132 2759881 18989.31 24 | 19 | 1.28562 | 3.239362 | 0.10 | 0.921 | .0092119 | 1/9.4216 |
| 124.8108 332.9072 1.81 0.070 .6696484 23262.57 127.39353 265.7164 1.51 0.132 2759881 18989.31 24 | 20 i | 58.16497 | 143.9944 | 1.64 | 0.101 | 45437 | 7445 832 |
| 22 | | | | | | | |
| 24 | | | 332.90/2 | 1.81 | 0.070 | | 23262.57 |
| 24 | 22 I | 72.39353 | 205.7164 | 1.51 | 0.132 | . 2759881 | 18989.31 |
| 24 34,45331 85,87153 1,42 0,156 .2604317 4557,934 25 2,314976 5,536704 0,35 0,726 .2013175 251,3951 26 126,98669 99,8921 0.89 0,373 .0190721 38185.6 28 26,98669 99,8921 0.89 0,373 .0190721 38185.6 29 .221629 .5143468 -0.65 0.516 .0023453 20,94389 30 2.963303 6.82546 0.47 .640 .0312451 281,0417 31 124,8108 332,9072 1.81 0.670 .6696484 23262.57 32 97.60521 237,0736 1.89 0.659 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318656 555.8344 35 210.8476 529,4891 2.39 0.33 .0196721 38185.6 37 124.8108 332.9072 1.81 0.70 6696484 23262.57< | | | | | | | |
| 25 2.314076 5.536704 0.35 0.726 .0213175 251.3951 26 26.98669 99.8921 0.89 0.373 .0190721 38185.6 28 26.98669 99.8921 0.89 0.373 .0190721 38185.6 29 1.221629 5.13468 0.65 0.516 0.023453 20.94389 30 1.248108 332.9072 1.81 0.070 6696484 23262.57 32 97.60521 237.0736 1.89 0.659 .3355778 11401.42 34 4.204599 10.47799 0.58 0.564 .3318056 555.8344 35 120.8476 529.4881 2.13 0.033 1.536018 28942.82 36 26.98669 99.8921 0.89 0.373 10190721 38185.6 37 124.8108 332.9072 1.81 0.070 .669484 23262.57 38 1 2.6824 0.001 0.000 0.052287 191.9869 | | 4.204599 | 10.4//99 | 0.58 | 0.504 | .0318050 | 555.8344 |
| 25 2.314076 5.536704 0.35 0.726 .0213175 251.3951 26 26.98669 99.8921 0.89 0.373 .0190721 38185.6 28 26.98669 99.8921 0.89 0.373 .0190721 38185.6 29 1.221629 5.13468 0.65 0.516 0.023453 20.94389 30 1.248108 332.9072 1.81 0.070 6696484 23262.57 32 97.60521 237.0736 1.89 0.659 .3355778 11401.42 34 4.204599 10.47799 0.58 0.564 .3318056 555.8344 35 120.8476 529.4881 2.13 0.033 1.536018 28942.82 36 26.98669 99.8921 0.89 0.373 10190721 38185.6 37 124.8108 332.9072 1.81 0.070 .669484 23262.57 38 1 2.6824 0.001 0.000 0.052287 191.9869 | 24 İ | 34.45331 | 85.87153 | 1.42 | 0.156 | . 2604317 | 4557.934 |
| 26 26.89669 99.8921 0.89 0.373 .0190721 38185.6 27 26.98669 99.8921 0.89 0.373 .0190721 38185.6 28 26.98669 99.8921 0.89 0.373 .0190721 38185.6 29 .221629 .5143468 -0.65 0.516 .0023453 20.94389 30 2.963303 6.882546 0.47 0.640 .0312451 221.0417 31 124.8188 332.9072 1.81 0.070 .6696484 23262.57 32 97.60521 237.0736 1.89 0.699 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318056 555.8344 35 210.8476 529.4891 2.13 .083 1.356018 28942.82 36 26.98669 99.8921 0.89 0.373 .0190721 38185.6 37 124.8108 332.99672 1.81 0.070 .06696484 23262.7 | | | | | | | |
| 27 26.98669 99.8921 0.89 0.373 .0190721 38185.6 28 26.98669 99.8921 0.89 0.373 .0190721 38185.6 29 .221629 .5143468 -0.65 .516 .0023453 20.434389 30 2.963303 6.882546 0.47 0.640 .0312451 281.0417 31 124.8108 332.9072 1.81 0.070 .6696484 23262.57 32 97.60521 237.0736 1.89 0.699 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318056 555.8344 35 210.8476 529.4891 2.13 0.033 1.536018 8942.82 36 26.98669 99.8921 0.90 0.373 .0190721 38185.6 37 124.8108 332,9072 1.81 0.070 .6696484 23262.57 38 1 2.68241 0.00 1.00 0.00 8287 <t< td=""><td>25 </td><td>2.3149/6</td><td>5.536/04</td><td>0.35</td><td>0.726</td><td>.02131/5</td><td>251.3951</td></t<> | 25 | 2.3149/6 | 5.536/04 | 0.35 | 0.726 | .02131/5 | 251.3951 |
| 27 26.98669 99.8921 0.89 0.373 .0190721 38185.6 28 26.98669 99.8921 0.89 0.373 .0190721 38185.6 29 .221629 .5143468 -0.65 .516 .0023453 20.434389 30 2.963303 6.882546 0.47 0.640 .0312451 281.0417 31 124.8108 332.9072 1.81 0.070 .6696484 23262.57 32 97.60521 237.0736 1.89 0.699 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318056 555.8344 35 210.8476 529.4891 2.13 0.033 1.536018 8942.82 36 26.98669 99.8921 0.90 0.373 .0190721 38185.6 37 124.8108 332,9072 1.81 0.070 .6696484 23262.57 38 1 2.68241 0.00 1.00 0.00 8287 <t< td=""><td>26 I</td><td>26.98669</td><td>99.8921</td><td>0.89</td><td>0.373</td><td>. 0190721</td><td>38185.6</td></t<> | 26 I | 26.98669 | 99.8921 | 0.89 | 0.373 | . 0190721 | 38185.6 |
| 28 26.98669 99.8921 0.89 0.373 .0190721 38185.6 39 .221629 .514368 -0.65 0.516 .0923453 20.94389 30 2.963303 6.882546 0.47 0.640 .0312451 281.0417 31 124.8188 332.9972 1.81 0.070 .6696484 23262.57 33 97.60521 237.0736 1.89 0.699 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318656 555.8344 36 26.98669 99.8921 0.89 0.373 .0190721 38185.6 37 124.8188 332.9072 1.81 .070 .6696484 23262.57 38 1 2.68241 0.00 1.000 .0052087 191.9869 49 58.16497 143.9944 1.64 0.101 .45437 7445.832 41 12.56428 37.49599 0.85 0.396 .362185 4358.186 | | | | | | | |
| 29 | | | | | | .0190/21 | |
| 29 | 28 I | 26.98669 | 99.8921 | 0.89 | 0.373 | .0190721 | 38185.6 |
| 30 | | | | | | | |
| 31 1 24,8108 332,9072 1.81 0.070 .6696484 23262.57 32 97.60521 237.0736 1.89 0.059 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318056 555.8344 35 210.8476 529.4891 2.13 0.033 1.536018 28942.82 36 26.98669 99.8921 0.89 0.373 .0190721 38185.6 37 124.8108 332.9072 1.81 0.070 .06596484 23262.57 38 1 2.66241 0.00 1.000 .0052087 191.9869 39 7.354574 20.01165 0.73 0.463 .0355186 1522.858 40 58.16497 143.9944 1.64 0.101 .45437 7445.832 41 12.56428 37.495509 0.85 0.336 .0362185 4358.58 42 484.5301 122.151 2.47 0.013 3.596391 652791.17 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 31 1 24,8108 332,9072 1.81 0.070 .6696484 23262.57 32 97.60521 237.0736 1.89 0.059 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318056 555.8344 35 210.8476 529.4891 2.13 0.033 1.536018 28942.82 36 26.98669 99.8921 0.89 0.373 .0190721 38185.6 37 124.8108 332.9072 1.81 0.070 .06596484 23262.57 38 1 2.66241 0.00 1.000 .0052087 191.9869 39 7.354574 20.01165 0.73 0.463 .0355186 1522.858 40 58.16497 143.9944 1.64 0.101 .45437 7445.832 41 12.56428 37.495509 0.85 0.336 .0362185 4358.58 42 484.5301 122.151 2.47 0.013 3.596391 652791.17 </td <td>30 l</td> <td>2.963303</td> <td>6.882546</td> <td>0.47</td> <td>0.640</td> <td>.0312451</td> <td>281.0417</td> | 30 l | 2.963303 | 6.882546 | 0.47 | 0.640 | .0312451 | 281.0417 |
| 32 97.60521 237.0736 1.89 0.059 .8355778 11401.42 | | | | | | | |
| 33 97.60521 237.0736 1.89 0.059 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318056 555.8344 35 210.8476 529.4891 2.13 0.033 1.536018 28942.82 36 26.98669 99.8921 0.89 0.373 0.190721 38185.6 37 124.8108 332.9072 1.81 0.070 .6696484 23262.57 38 1 2.68241 0.00 1.000 .0052087 191.9869 39 7.354574 20.01165 0.73 0.463 0.355186 1522.858 40 58.16497 143.9944 1.64 0.101 .45437 7445.832 41 12.56428 37.49509 0.85 0.396 .0362185 4358.58 42 484.5301 1212.151 2.47 0.013 3.596391 65279.17 43 484.5301 1212.151 2.47 0.013 3.596391 65279.17 44 45.41325 144.53 1.20 0.231 0.8887543 23236.78 45 210.8476 529.8891 2.13 0.033 1.536018 28942.82 46 58.16497 143.9944 1.64 0.101 .45437 7445.832 47 9.14259 25.37549 0.80 0.425 0.396769 2106.691 48 1.505567 3.806673 0.16 0.871 0.106053 213.7358 49 23.42037 56.57914 1.31 0.192 .2057092 2666.453 50 9.14259 25.37549 0.80 0.425 0.396769 2106.691 51 .275023 .6554004 -0.54 0.588 0.025757 29.36606 52 .257422 .6082446 -0.57 0.566 0.025084 26.41745 53 2.963303 6.882546 0.47 0.640 0.312451 281.0417 54 25.6672 61.80473 1.35 0.178 .2289536 2877.461 55 2.512096 6.062721 0.38 0.703 0.201685 284.6659 58 3.914257 9.626838 0.55 0.579 0.315631 485.422 59 58.16497 143.9944 1.64 0.101 .45437 7445.832 60 9.14259 25.37549 0.80 0.425 0.396769 2106.691 58 3.914257 9.626838 0.55 0.579 0.315631 485.422 59 58.16497 143.9944 1.64 0.101 .45437 7445.832 60 9.14259 25.37549 0.80 0.425 0.396769 2106.691 61 3.914257 9.626838 0.55 0.579 0.315631 485.422 62 38.19656 91.4160 1.52 0.128 0.396769 2106.691 63 124.8108 332.9072 | | | | | | | |
| 33 97.60521 237.0736 1.89 0.059 .8355778 11401.42 34 4.204599 10.47799 0.58 0.564 .0318056 555.8344 35 210.8476 529.4891 2.13 0.033 1.536018 28942.82 36 26.98669 99.8921 0.89 0.373 0.190721 38185.6 37 124.8108 332.9072 1.81 0.070 .6696484 23262.57 38 1 2.68241 0.00 1.000 .0052087 191.9869 39 7.354574 20.01165 0.73 0.463 0.355186 1522.858 40 58.16497 143.9944 1.64 0.101 .45437 7445.832 41 12.56428 37.49509 0.85 0.396 .0362185 4358.58 42 484.5301 1212.151 2.47 0.013 3.596391 65279.17 43 484.5301 1212.151 2.47 0.013 3.596391 65279.17 44 45.41325 144.53 1.20 0.231 0.8887543 23236.78 45 210.8476 529.8891 2.13 0.033 1.536018 28942.82 46 58.16497 143.9944 1.64 0.101 .45437 7445.832 47 9.14259 25.37549 0.80 0.425 0.396769 2106.691 48 1.505567 3.806673 0.16 0.871 0.106053 213.7358 49 23.42037 56.57914 1.31 0.192 .2057092 2666.453 50 9.14259 25.37549 0.80 0.425 0.396769 2106.691 51 .275023 .6554004 -0.54 0.588 0.025757 29.36606 52 .257422 .6082446 -0.57 0.566 0.025084 26.41745 53 2.963303 6.882546 0.47 0.640 0.312451 281.0417 54 25.6672 61.80473 1.35 0.178 .2289536 2877.461 55 2.512096 6.062721 0.38 0.703 0.201685 284.6659 58 3.914257 9.626838 0.55 0.579 0.315631 485.422 59 58.16497 143.9944 1.64 0.101 .45437 7445.832 60 9.14259 25.37549 0.80 0.425 0.396769 2106.691 58 3.914257 9.626838 0.55 0.579 0.315631 485.422 59 58.16497 143.9944 1.64 0.101 .45437 7445.832 60 9.14259 25.37549 0.80 0.425 0.396769 2106.691 61 3.914257 9.626838 0.55 0.579 0.315631 485.422 62 38.19656 91.4160 1.52 0.128 0.396769 2106.691 63 124.8108 332.9072 | 32 I | 97.60521 | 237.0736 | 1.89 | 0.059 | .8355778 | 11401.42 |
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| 35 210,8476 529,4891 2.13 0.033 1.536018 28942.82 26.98669 99.8921 0.89 0.373 0.190721 38185.6 37 124.8108 332.9072 1.81 0.070 0.6696484 23262.57 38 1 2.68241 0.00 1.000 0.0652087 191.9869 39 7.354574 20.01165 0.73 0.463 0.0355186 1522.858 40 58.16497 143.9944 1.64 0.101 .45437 7445.832 12.56428 37.49509 0.85 0.396 0.362185 4358.582 444.5301 1212.151 2.47 0.013 3.596391 65279.17 43 484.5301 1212.151 2.47 0.013 3.596391 65279.17 44 45.41325 144.53 1.20 0.231 0.0837543 23236.78 45 210.8476 529.4891 2.13 0.033 1.536018 28942.82 46 58.16497 143.9944 1.64 0.101 .45437 7445.832 47 9.14259 25.37549 0.80 0.425 0.396679 2106.691 48 1.505567 3.806673 0.16 0.871 0.106053 213.7358 49 23.42037 56.57914 1.31 0.192 2.057092 2666.453 50.99151 2.75023 .6554004 -0.54 0.588 0.025757 29.36606 52 .257422 .6082446 -0.57 0.566 0.025084 26.41745 53 2.963303 6.882546 0.47 0.640 0.312451 281.0417 54 25.6672 61.80473 1.35 0.178 2.298536 2877.461 55 2.512096 6.062721 0.38 0.703 0.021685 284.6659 56 6.304733 15.58447 0.70 0.484 0.363579 1093.288 57 6.467331 15.40148 0.78 0.433 0.607646 688.3349 688.5448 0.78 0.433 0.607646 688.3349 688.5448 0.78 0.433 0.607646 688.3349 688.5447 0.70 0.484 0.363579 1093.288 66 5.816497 143.9944 1.64 0.101 .45437 7445.832 60 9.14259 25.37549 0.80 0.425 0.3966769 2106.691 0.30669 | | | | | | | |
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| 46 58.16497 143.9944 1.64 0.101 .45437 7445.832 47 9.14259 25.37549 0.80 0.425 .0396769 2106.691 48 1.505567 3.806673 0.16 0.871 .0106053 213.7358 49 23.42037 56.57914 1.31 0.192 .2057092 2666.453 50 9.14259 25.37549 0.80 0.425 .0396769 2106.691 51 .275023 .6554004 -0.54 0.588 .0025757 29.36606 52 .257422 .6082446 -0.57 0.566 .0025084 26.41745 53 2.963303 6.882546 0.47 0.640 .0312451 281.0417 54 25.6672 61.80473 1.35 0.178 .2289536 2877.461 55 2.512096 6.062721 0.38 0.703 .0221685 284.6659 56 6.394733 16.58447 0.70 0.484 .0363579 1093. | 44 | 45.41325 | 144.53 | 1.20 | 0.231 | .088/543 | 23230.78 |
| 46 58.16497 143.9944 1.64 0.101 .45437 7445.832 47 9.14259 25.37549 0.80 0.425 .0396769 2106.691 48 1.505567 3.806673 0.16 0.871 .0106053 213.7358 49 23.42037 56.57914 1.31 0.192 .2057092 2666.453 50 9.14259 25.37549 0.80 0.425 .0396769 2106.691 51 .275023 .6554004 -0.54 0.588 .0025757 29.36606 52 .257422 .6082446 -0.57 0.566 .0025084 26.41745 53 2.963303 6.882546 0.47 0.640 .0312451 281.0417 54 25.6672 61.80473 1.35 0.178 .2289536 2877.461 55 2.512096 6.062721 0.38 0.703 .0221685 284.6659 56 6.394733 16.58447 0.70 0.484 .0363579 1093. | 45 I | 210.8476 | 529.4891 | 2.13 | 0.033 | 1.536018 | 28942.82 |
| 47 9.14259 25.37549 0.80 0.425 .0396769 2106.691 48 1.565567 3.806673 0.16 0.871 .0106053 213.7358 50 9.14259 25.37549 0.80 0.425 .0396769 2106.691 51 .275023 .6554004 -0.54 0.588 .0025757 29.36606 52 .257422 .6082446 -0.57 0.566 .0025084 26.41745 53 2.963303 6.882546 0.47 0.640 .0312451 281.0417 54 2.5.6672 61.80473 1.35 0.178 .2289536 2877.461 55 2.512096 6.062721 0.38 0.703 .0221685 284.6659 56 6.304733 16.58447 0.70 0.484 .0363579 1093.288 57 6.467331 15.40148 0.78 .433 .0607646 688.3349 58 3.914257 9.626838 0.55 0.579 .0315631 485 | | | | | | | |
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| 59 58.16497 143.9944 1.64 0.101 .45437 7445.832 60 9.14259 25.37549 0.80 0.425 .0396769 2106.691 61 3.914257 9.626838 0.55 0.579 .0315631 485.422 62 38.19656 91.41601 1.52 0.128 .3506221 4161.109 63 124.8108 332.9072 1.81 0.070 .6696484 23262.57 64 12.56428 37.49509 0.85 0.396 .0362185 4358.58 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 | 5/ | 6.46/331 | 15.40148 | 0.78 | 0.433 | .060/646 | 688.3349 |
| 59 58.16497 143.9944 1.64 0.101 .45437 7445.832 60 9.14259 25.37549 0.80 0.425 .0396769 2106.691 61 3.914257 9.626838 0.55 0.579 .0315631 485.422 62 38.19656 91.41601 1.52 0.128 .3506221 4161.109 63 124.8108 332.9072 1.81 0.070 .6696484 23262.57 64 12.56428 37.49509 0.85 0.396 .0362185 4358.58 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 | 58 İ | 3.914257 | 9.626838 | 0.55 | 0.579 | . 0315631 | 485 422 |
| 60 9.14259 25.37549 0.80 0.425 .0396769 2106.691 61 3.914257 9.626838 0.55 0.579 .0315631 485.422 62 38.19656 91.41601 1.52 0.128 .3506221 4161.109 63 124.8108 332.9072 1.81 0.070 .6696484 23262.57 64 12.56428 37.49509 0.85 0.396 .0362185 4358.58 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .835577 | | | | | | | |
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| 63 124.8108 332.9072 1.81 0.070 .6696484 23262.57 64 12.56428 37.49509 0.85 0.396 .0362185 4358.58 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 63 124.8108 332.9072 1.81 0.070 .6696484 23262.57 64 12.56428 37.49509 0.85 0.396 .0362185 4358.58 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 <td>62 I</td> <td>38.19656</td> <td>91.41601</td> <td>1.52</td> <td>0.128</td> <td>.3506221</td> <td>4161.109</td> | 62 I | 38.19656 | 91.41601 | 1.52 | 0.128 | .3506221 | 4161.109 |
| 64 12.56428 37.49509 0.85 0.396 .0362185 4358.58 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 1 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1 .051216 2.429934 0.02 0.983 .0113266 97.56266 </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> | | | | | | | |
| 65 6.304733 16.58447 0.70 0.484 .0363579 1093.288 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 <td>64 </td> <td>12.56428</td> <td>37.49509</td> <td>0.85</td> <td>0.396</td> <td>.0362185</td> <td>4358.58</td> | 64 | 12.56428 | 37 . 49509 | 0.85 | 0.396 | .0362185 | 4358.58 |
| 66 58.16497 143.9944 1.64 0.101 .45437 7445.832 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071< | | 6 30/1733 | 16 58///7 | | 0 121 | 0363570 | |
| 67 34.45331 85.87153 1.42 0.156 .2604317 4557.934 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437< | | | | | | | |
| 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317< | 66 | 58.1649/ | 143.9944 | 1.64 | 0.101 | . 4543/ | /445 . 832 |
| 68 1 2.68241 0.00 1.000 .0052087 191.9869 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317< | 67 i | 34 45331 | 85 87153 | 1 42 | 0 156 | 2604317 | 4557 Q34 |
| 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 . | | | | | | | |
| 69 1.051216 2.429934 0.02 0.983 .0113266 97.56266 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 . | 68 | 1 | 2.68241 | 0.00 | 1.000 | .0052087 | 191.9869 |
| 70 97.60521 237.0736 1.89 0.059 .8355778 11401.42 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.5 | 60 i | 1 051216 | 2 420034 | 0 02 | | | 97 56266 |
| 71 97.60521 237.0736 1.89 0.059 .8355778 11401.42 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | 9/.60521 | 23/.0/36 | | 0 . 059 | | 11401.42 |
| 72 58.16497 143.9944 1.64 0.101 .45437 7445.832 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | 71 İ | 97.60521 | 237.0736 | 1.89 | 0.059 | - 8355778 | 11401.42 |
| 73 34.45331 85.87153 1.42 0.156 .2604317 4557.934 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| 74 1.546124 3.739941 0.18 0.857 .0134978 177.1036 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | 73 İ | 34.45331 | 85.87153 | 1.42 | 0.156 | .2604317 | 4557.934 |
| 75 1.051216 2.429934 0.02 0.983 .0113266 97.56266 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| 76 58.16497 143.9944 1.64 0.101 .45437 7445.832 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | 75 I | 1.051216 | 2.429934 | 0.02 | 0.983 | .0113266 | 97.56266 |
| 77 12.05197 28.3952 1.06 0.291 .1190071 1220.515 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| 78 58.16497 143.9944 1.64 0.101 .45437 7445.832 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | 77 l | 12.05197 | 28.3952 | 1.06 | 0.291 | .1190071 | 1220.515 |
| 79 34.45331 85.87153 1.42 0.156 .2604317 4557.934 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | 58.16407 | | 1 64 | | . 45437 | |
| 80 124.8108 332.9072 1.81 0.070 .6696484 23262.57 | | | | | | | |
| | /9 | 34.45331 | 85.8/153 | 1.42 | 0 . 156 | ·2604317 | 455/.934 |
| | ga i | 124.8108 | 332-9072 | 1.81 | 0.070 | .6696484 | 23262.57 |
| 81 11.42039 2/.3340/ 1.02 0.309 .104/931 1244.598 | | | | | | | |
| | ят | 11.42039 | Z/.3346/ | 1.02 | 0.309 | · 104/931 | 1244.598 |
| | | | | | | | |

| 82 83 | 18.45159 18.45159 | 44.54444 44.54444 | 1.21 1.21 | 0.227 0.227 | .1626022 .1626022 | 2093.828 2093.828 |
|------------|----------------------|----------------------|--------------|----------------|----------------------|----------------------|
| spont | | | | | | |
| 1 | 26.25954 | 15.5374 | 5.52 | 0.000 | 8.234612 | 83.73961 |
| 2 | 626.7674 | 598.5987 | 6.74 | 0.000 | 96.41846 | 4074.296 |
| induced | | | | | | |
| 1 | 8.2637 | 4.847021 | 3.60 | 0.000 | 2.617626 | 26.08804 |
| 2 | 82.89957 | 78.56521 | 4.66 | 0.000 | 12.93765 | 531.1892 |
| _cons | .0010319 | .0022511 | -3.15 | 0.002 | .0000143 | .0742101 |

- . testparm i.spont
- (1) [case]1.spont = 0
 (2) [case]2.spont = 0

chi2(2) = 48.69Prob > chi2 = 0.0000

- . testparm i.induced
- (1) [case]1.induced = 0
 (2) [case]2.induced = 0

chi2(2) = 22.41Prob > chi2 = 0.0000

- . estimates store mult4
- * Model 4d
- . logistic case i.matchset g2-g8

Logistic regression Number of obs = LR chi2(89) Prob > chi2 Pseudo R2 = Log likelihood = -113.5088

248

89.15

0.4755

0.2820

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|----------|------------|-----------|-------|--------|------------------|-----------|
| matchset | | | | | | |
| 2 | 635.0545 | 2317.806 | 1.77 | 0.077 | .4967258 | 811905.2 |
| 3 | 18.40698 | 64.53227 | 0.83 | 0.406 | .0190893 | 17749.06 |
| 4 | 12.9187 | 45.96661 | 0.72 | 0.472 | .0120926 | 13801.19 |
| 5 | 35.33792 | 126.5024 | 1.00 | 0.319 | .0317042 | 39388.06 |
| 6 | 2.328085 | 8.404086 | 0.23 | 0.815 | .0019691 | 2752.493 |
| 7 | 1487.982 | 5392.292 | 2.02 | 0.044 | 1.224425 | 1808270 |
| 8 | 50.78677 | 182.2588 | 1.09 | 0.274 | .0447753 | 57605.33 |
| 9 | 56.53595 | 203.517 | 1.12 | 0.262 | .0487737 | 65533.52 |
| 10 | 71.63973 | 261.1426 | 1.17 | 0.241 | .0565375 | 90775.99 |
| 11 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 12 | 4.369323 | 16.43618 | 0.39 | 0.695 | .0027443 | 6956.617 |
| 13 | 635.0545 | 2317.806 | 1.77 | 0.077 | .4967258 | 811905.2 |
| 14 | 12.9187 | 45.96661 | 0.72 | 0.472 | .0120926 | 13801.19 |
| 15 | 69.87661 | 253.0232 | 1.17 | 0.241 | .057827 | 84437.02 |
| 16 | 102.9281 | 376.2955 | 1.27 | 0.205 | .0795463 | 133182.6 |
| 17 | .2043738 | .7443917 | -0.44 | 0.663 | .0001622 | 257.4905 |
| 18 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 19 | 4.369323 | 16.43618 | 0.39 | 0.695 | .0027443 | 6956.617 |
| 20 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 21 | 316.0162 | 1199.302 | 1.52 | 0.129 | .1859276 | 537124.3 |
| 22 | 225.0255 | 869.6443 | 1.40 | 0.161 | . 1155147 | 438355.2 |

| 22 | 17 00070 | 64 27055 | 0.00 | 0.426 | 0140252 | 21249.34 |
|----|-------------------|-------------------|----------------|-------|------------------|----------|
| 23 | 17.80872 | 64.37055 | 0.80 | | .0149252 | |
| 24 | 71.63973 | 261.1426 | 1.17 | 0.241 | .0565375 | 90775.99 |
| 25 | 12.76389 | 45.68206 | 0.71 | 0.477 | .011469 | 14204.96 |
| 26 | 112.5651 | 483.5788 | 1.10 | 0.272 | .0248112 | 510692.5 |
| 27 | 112.5651 | 483.5788 | 1.10 | 0.272 | .0248112 | 510692.5 |
| 28 | 112.5651 | 483.5788 | 1.10 | 0.272 | .0248112 | 510692.5 |
| 29 | 2043738 | .7443917 | -0.44 | 0.663 | .0001622 | 257.4905 |
| 30 | 17.98291 | 63.56736 | 0.82 | 0.414 | .0176184 | 18354.93 |
| 31 | 316.0162 | 1199.302 | 1.52 | 0.129 | . 1859276 | 537124.3 |
| 32 | 288.5906 | 1044.523 | 1.57 | 0.118 | .2395785 | 347629.3 |
| 33 | 288.5906 | 1044.523 | 1.57 | 0.118 | .2395785 | 347629.3 |
| 34 | 17.80872 | 64.37055 | 0.80 | 0.426 | .0149252 | 21249.34 |
| 35 | 635.0545 | 2317.806 | 1.77 | 0.077 | .4967258 | 811905.2 |
| 36 | 112.5651 | 483.5788 | 1.10 | 0.272 | .0248112 | 510692.5 |
| 37 | 316.0162 | 1199.302 | 1.52 | 0.129 | .1859276 | 537124.3 |
| 38 | 1 1 | 4.437111 | -0.00 | 1.000 | .0001672 | 5982.408 |
| | l | | | | | |
| 39 | 25.21598 | 93.3249 | 0.87 | 0.383 | .0178386 | 35644.43 |
| 40 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 41 | 51.42069 | 199.511 | 1.02 | 0.310 | .0256152 | 103223.5 |
| 42 | 1487.982 | 5392.292 | 2.02 | 0.044 | 1.224425 | 1808270 |
| 43 | 1487.982 | 5392.292 | 2.02 | 0.044 | 1.224425 | 1808270 |
| 44 | 221.2838 | 863.1595 | 1.38 | 0.166 | . 1058465 | 462618.4 |
| 45 | 635.0545 | 2317.806 | 1.77 | 0.077 | .4967258 | 811905.2 |
| 46 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 47 | 36.89787 | 138.8863 | 0.96 | 0.338 | .0230683 | 59018.35 |
| 48 | 3.769257 | 13.89264 | 0.36 | 0.719 | .0027474 | 5171.25 |
| 49 | 70.96539 | 254.8011 | 1.19 | 0.235 | .0623461 | 80776.32 |
| 50 | 36.89787 | 138.8863 | 0.96 | 0.338 | .0230683 | 59018.35 |
| 51 | 2152335 | .790587 | -0.42 | 0.536 | .0001608 | 288.0773 |
| 52 | 2150996 | .790387 | -0.42 -0.42 | | | |
| | ı | | | 0.676 | .0001605 | 288.2214 |
| 53 | 17.98291 | 63.56736 | 0.82 | 0.414 | .0176184 | 18354.93 |
| 54 | 56.53595 | 203.517 | 1.12 | 0.262 | .0487737 | 65533.52 |
| 55 | 16.04614 | 58.10011 | 0.77 | 0.443 | .0132839 | 19382.7 |
| 56 | 22.01332 | 80.59917 | 0.84 | 0.398 | .0168311 | 28791.16 |
| 57 | 30.70451 | 108.9846 | 0.96 | 0.335 | .0292343 | 32248.68 |
| 58 | 16.29455 | 58.5373 | 0.78 | 0.437 | .0142609 | 18618.22 |
| 59 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 60 | 36 . 89787 | 138.8863 | 0.96 | 0.338 | .0230683 | 59018.35 |
| 61 | 16.29455 | 58.5373 | 0.78 | 0.437 | .0142609 | 18618.22 |
| 62 | 96.50476 | 347.8208 | 1.27 | 0.205 | .0825397 | 112832.6 |
| 63 | 316.0162 | 1199.302 | 1.52 | 0.129 | .1859276 | 537124.3 |
| 64 | 51.42069 | 199.511 | 1.02 | 0.310 | .0256152 | 103223.5 |
| 65 | 22.01332 | 80.59917 | 0.84 | 0.398 | .0168311 | 28791.16 |
| 66 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 67 | 71.63973 | 261.1426 | 1.17 | 0.174 | .0565375 | 90775.99 |
| | • | | | | | |
| 68 | 1 | 4.437111 | -0.00 | 1.000 | .0001672 | 5982.408 |
| 69 | 6.484639 | 23.13866 | 0.52 | 0.600 | .0059512 | 7065.877 |
| 70 | 288.5906 | 1044.523 | 1.57 | 0.118 | .2395785 | 347629.3 |
| 71 | 288.5906 | 1044.523 | 1.57 | 0.118 | .2395785 | 347629.3 |
| 72 | 144.5549 | 528 . 5793 | 1.36 | 0.174 | . 1115654 | 187299.2 |
| 73 | 71.63973 | 261.1426 | 1.17 | 0.241 | .0565375 | 90775.99 |
| 74 | 8.850251 | 32.20895 | 0.60 | 0.549 | .0070657 | 11085.5 |
| 75 | 6.484639 | 23.13866 | 0.52 | 0.600 | .0059512 | 7065.877 |
| 76 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 77 | 29.09616 | 102.8882 | 0.95 | 0.340 | .0284358 | 29771.88 |
| 78 | 144.5549 | 528.5793 | 1.36 | 0.174 | .1115654 | 187299.2 |
| 79 | 71.63973 | 261.1426 | 1.17 | 0.241 | .0565375 | 90775.99 |
| 80 | 316.0162 | 1199.302 | 1.52 | 0.129 | .1859276 | 537124.3 |
| 81 | 35.94561 | 128.3033 | 1.00 | 0.129 | .0329146 | 39255.7 |
| | • | | | | | |
| 82 | 37.54443 | 134.7966 | 1.01 | 0.313 | .0329957 | 42720.23 |
| 83 | 37.54443 | 134.7966 | 1.01 | 0.313 | . 0329957 | 42720.23 |
| _ | | | | 0.00 | 4 0===:- | 20 44 |
| g2 | 8.636948 | 6.545217 | 2.85 | 0.004 | 1.955718 | 38.14297 |
| g3 | 80.83794 | 83.81227 | 4.24 | 0.000 | 10.59485 | 616.7876 |
| g4 | 39.63256 | 31.57185 | 4.62 | 0.000 | 8.317123 | 188.8562 |
| g5 | 83.70851 | 97.59536 | 3.80 | 0.000 | 8.518394 | 822.5864 |
| | | | | | | |

```
g7 |
                336.2576
                           331.5483
                                      5.90
                                              0.000
                                                        48.68459
                                                                   2322.484
                                              0.000
                                                        834.9958
         g8 |
                53290.52
                           113002.1
                                       5.13
                                                                    3401071
      _cons |
                 .000336
                           .0011461
                                      -2.35
                                              0.019
                                                        4.20e-07
                                                                    .2688646
. test g2 g3 g4 g5 g6 g7 g8
      [case]g2 = 0
 (1)
 (2)
      [case]g3 = 0
 (3)
       [case]g4 = 0
       [case]g5 = 0
 (4)
 (5)
      [case]g6 = 0
 (6) [case]g7 = 0
 (7) [case]g8 = 0
          chi2(7) = 50.35
        Prob > chi2 =
                       0.0000
. lrtest mult4
Likelihood-ratio test
                                                    LR chi2(3) =
                                                                     4.86
(Assumption: mult4 nested in .)
                                                    Prob > chi2 =
                                                                    0.1820
* Model 5a
. clogit case i.induced, group(stratum) or
note: multiple positive outcomes within groups encountered.
Iteration 0: log likelihood = -101.55908
              log likelihood = -101.55229 log likelihood = -101.55229
Iteration 1:
Iteration 2:
Conditional (fixed-effects) logistic regression
                                                Number of obs =
                                                                        248
                                                LR chi2(2)
                                                               =
                                                                       0.12
                                                Prob > chi2
                                                               =
                                                                     0.9406
Log likelihood = -101.55229
                                                Pseudo R2
                                                                     0.0006
                                       z P>|z| [95% Conf. Interval]
       case | Odds Ratio Std. Err.
     induced |
                          .3492498
                          .52498
                                       0.21 0.831
                                                        .5659815
                                                                   2.029986
         1 |
                1.071884
         2 |
                1.160049
                                       0.34 0.737
                                                        .4878084
                                                                   2.758693
. testparm i.induced
 (1) [case]1.induced = 0
 (2) [case]2.induced = 0
          chi2(2) = 0.12
        Prob > chi2 = 0.9404
* Model 5b
. clogit case i.spont, group(stratum) or
note: multiple positive outcomes within groups encountered.
              log\ likelihood = -84.453469
Iteration 0:
Iteration 1:
              log\ likelihood = -84.257831
Iteration 2:
              log\ likelihood = -84.257572
              log\ likelihood = -84.257572
Iteration 3:
Conditional (fixed-effects) logistic regression
                                                Number of obs =
                                                                        248
                                                LR chi2(2)
                                                                      34.71
```

3460.892

g6 |

6071.258

4.65 0.000

107747.1

111.1656

Prob > chi2 = 0.0000Pseudo R2 0.1708

Log likelihood = -84.257572

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|---------------------|------------|----------------------|---|----------------|----------------------|----------------------|
| spont 1 2 | | 1.385401 4.647364 | | 0.000 0.000 | 1.889936 3.979274 | 7.785641 24.85281 |

- . testparm i.spont
- (1) [case]1.spont = 0
- (2) [case]2.spont = 0

chi2(2) = 28.14 Prob > chi2 = 0.0000

* Model 5c

. clogit case i.spont i.induced, group(stratum) or note: multiple positive outcomes within groups encountered.

log likelihood = -79.322323 log likelihood = -74.198614Iteration 0: Iteration 1: Iteration 2: $log\ likelihood = -74.088486$ Iteration 3: $\log \text{ likelihood} = -74.088255$ Iteration 4: $\log likelihood = -74.088255$

Number of obs = Conditional (fixed-effects) logistic regression 248 Number 0. LR chi2(4) = chi2 = 55.05 0.0000 Log likelihood = -74.088255Pseudo R2 0.2709

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|-------------------|----------------------|----------------------|--------------|----------------|----------------------|----------------------|
| spont 1 2 | 8.158671 55.76217 | 3.667148 39.59607 | 4.67 5.66 | 0.000 0.000 | 3.380824 13.86473 | 19.68867 224.2683 |
| induced 1 2 | 3.87267 17.82149 | 1.770345 12.75244 | 2.96 4.03 | 0.003 0.000 | 1.580861 4.38383 | 9.486964 72.4493 |

- . testparm i.spont
- (1) [case]1.spont = 0
 (2) [case]2.spont = 0

chi2(2) = 34.46Prob > chi2 = 0.0000

- . testparm i.induced
- (1) [case]1.induced = 0
 (2) [case]2.induced = 0

chi2(2) = 16.56Prob > chi2 = 0.0003

. estimates store mult5

* Model 5d

. clogit case g2-g8, group(stratum) or

note: multiple positive outcomes within groups encountered.

log likelihood = -76.666257 log likelihood = -72.343099Iteration 0: Iteration 1: Iteration 2: $log\ likelihood = -72.272375$ $log\ likelihood = -72.272054$ Iteration 3: Iteration 4: $log\ likelihood = -72.272054$

Conditional (fixed-effects) logistic regression Number of obs

LR chi2(7) 58.68 Prob > chi2 0.0000 = Pseudo R2 0.2888

248

Log likelihood = -72.272054

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|--|---|--|--|--|---|---|
| g2 g3 g4 g5 g6 g7 | 4.707625 19.02158 12.61018 16.6441 172.1462 44.72934 | 2.907964 15.07709 7.835284 15.05333 226.1072 33.62056 | 2.51 3.72 4.08 3.11 3.92 5.06 | 0.012 0.000 0.000 0.002 0.000 0.000 | 1.402824 4.023074 3.731048 2.827569 13.11831 10.2516 | 15.79795 89.9363 42.61985 97.97329 2259.003 195.1612 |
| g8 | 734.4804 | 1125.094 | 4.31 | 0.000 | 36.48298 | 14786.66 |

- . test g2 g3 g4 g5 g6 g7 g8
- (1) [case]g2 = 0
- (2) [case]q3 = 0
- [case]g4 = 0(4) [case]g5 = 0
- (5) [case]g6 = 0
- (6) [case]g7 = 0
- (7) [case]g8 = 0

chi2(7) =35.53 Prob > chi2 = 0.0000

. lrtest mult5

Likelihood-ratio test LR chi2(3) =3.63 (Assumption: mult5 nested in .) Prob > chi2 = 0.3040

* Model 6a

. logistic case i.stratum i.induced

Logistic regression Number of obs 248 LR chi2(64) = 0.40 Prob > chi2 1.0000 = Log likelihood = -157.88793Pseudo R2 = 0.0013

| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval] |
|---------|------------|-----------|-------|-------|------------|-----------|
| stratum | + | | | | | |
| 2 | 9645122 | 1.68054 | -0.02 | 0.983 | .0317101 | 29.33719 |
| 3 | .8771215 | 1.548956 | -0.07 | 0.941 | .0275345 | 27.94105 |
| 4 | .84727 | 1.523324 | -0.09 | 0.927 | .0249821 | 28.73522 |
| 5 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 6 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 7 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 8 | j 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |

| 9 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
|---------|------------------|----------|----------------|-------|-----------|----------|
| 10 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 11 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 12 | 1.031245 | 1.552737 | 0.02 | 0.984 | .0539156 | 19.72464 |
| 13 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 14 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 15 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| | .9699923 | 1.684857 | | 0.986 | | 29.19365 |
| 16 | | | -0.02 | | .0322291 | |
| 17 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 18 | .9672492 | 1.453866 | -0.02 | 0.982 | .050828 | 18.4066 |
| 19 | .9971675 | 1.501779 | -0.00 | 0.998 | .052098 | 19.08602 |
| 20 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 21 | .941185 | 1.647137 | -0.03 | 0.972 | .03048 | 29.06263 |
| 22 | .9645122 | 1.457787 | -0.02 | 0.981 | .0498633 | 18.65668 |
| 23 | .9699923 | 1.684857 | -0.02 | 0.986 | .0322291 | 29.19365 |
| 24 | .9971675 | 1.501779 | -0.00 | 0.998 | .052098 | 19.08602 |
| 25 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| | | | | | | |
| 26 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 27 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 28 | .9358813 | 1.629972 | -0.04 | 0.970 | .0308128 | 28.42569 |
| 29 | .9645122 | 1.68054 | -0.02 | 0.983 | .0317101 | 29.33719 |
| 30 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 31 | .9500494 | 1.434367 | -0.03 | 0.973 | .049274 | 18.31784 |
| 32 | .9358813 | 1.629972 | -0.04 | 0.970 | .0308128 | 28.42569 |
| 33 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 34 | .9358813 | 1.629972 | -0.04 | 0.970 | .0308128 | 28.42569 |
| 35 | .9084094 | 1.589214 | -0.04 -0.05 | 0.976 | .0294544 | 28.01649 |
| | | | | | | |
| 36 | .9358813 | 1.629972 | -0.04 | 0.970 | .0308128 | 28.42569 |
| 37 | .9358813 | 1.629972 | -0.04 | 0.970 | .0308128 | 28.42569 |
| 38 | .9358813 | 1.629972 | -0.04 | 0.970 | .0308128 | 28.42569 |
| 39 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 40 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 41 | . 9848438 | 1.35028 | -0.01 | 0.991 | .0670377 | 14.46823 |
| 42 | 1 | 1.500312 | 0.00 | 1.000 | .0528362 | 18.92641 |
| 43 | 1.031245 | 1.791255 | 0.02 | 0.986 | .0342641 | 31.0373 |
| 44 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 45 | 1.02069 | 1.446358 | 0.01 | 0.988 | .0634904 | 16.40893 |
| | | | | | | |
| 46 | .9848438 | 1.478899 | -0.01 | 0.992 | .0518983 | 18.6888 |
| 47 | 1.031245 | 1.552737 | 0.02 | 0.984 | .0539156 | 19.72464 |
| 48 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 49 | .9681629 | 1.371902 | -0.02 | 0.982 | .0602257 | 15.56377 |
| 50 | .9699923 | 1.684857 | -0.02 | 0.986 | .0322291 | 29.19365 |
| 51 | .9376465 | 1.335266 | -0.05 | 0.964 | .0575275 | 15.28278 |
| 52 | .9699923 | 1.684857 | -0.02 | 0.986 | .0322291 | 29.19365 |
| 53 | .9820561 | 1.476263 | -0.01 | 0.990 | .0515915 | 18.69365 |
| 54 | .919404 | 1.398331 | -0.06 | 0.956 | .0466557 | 18.1179 |
| 55 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 56 | .8771215 | 1.548956 | -0.07 | 0.941 | .0275345 | 27.94105 |
| | .9084094 | 1.589214 | | 0.941 | | 28.01649 |
| 57 | | | -0.05 | | .0294544 | |
| 58 | .8771215 | 1.548956 | -0.07 | 0.941 | .0275345 | 27.94105 |
| 59 | 1 | 1.732412 | 0.00 | 1.000 | .033525 | 29.8285 |
| 60 | .9699923 | 1.684857 | -0.02 | 0.986 | .0322291 | 29.19365 |
| 61 | .84727 | 1.523324 | -0.09 | 0.927 | .0249821 | 28.73522 |
| 62 | .9084094 | 1.589214 | -0.05 | 0.956 | .0294544 | 28.01649 |
| 63 | 2.06249 | 3.867985 | 0.39 | 0.699 | .0522459 | 81.42004 |
| | | | | | | |
| induced | | | | | | |
| 1 | 1.095688 | .4137371 | 0.24 | 0.809 | .52272 | 2.296703 |
| 2 | 1.217139 | .6209088 | 0.39 | 0.700 | .4478266 | 3.308037 |
| ۷ | 1 1.21/139 | .0203000 | 0.39 | 0.700 | • ++/0200 | 7.30007 |
| Conc | . 4848508 | .5971951 | -0.59 | 0.557 | .0433686 | 5.420519 |
| _cons | | | | | . v433000 | 7.420319 |
| | | | | | | |

[.] testparm i.induced

⁽¹⁾ [case]1.induced = 0

(2) [case]2.induced = 0

chi2(2) = Prob > chi2 = 0.16 0.9221

* Model 6b

. logistic case i.stratum i.spont

Number of obs = 248 47.80 Logistic regression LR chi2(64) = 47.80 Prob > chi2 = 0.9350 Pseudo R2 = 0.1512

Log likelihood = -134.18723

| CINC CINOO | 15111072 | | | 1 5000 | J 112 | 0.131 |
|------------|------------------------|---------------------|----------------|----------------|----------------------|-------------------|
| case | Odds Ratio | Std. Err. | z | P> z | [95% Conf. | Interval |
| stratum | + | | | | | |
| 2 | 1378376 | .2630705 | -1.04 | 0.299 | .0032719 | 5.80673 |
| 3 | 2595434 | .5319767 | -0.66 | 0.510 | .0046723 | 14.417 |
| 4 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.8074 |
| 5 | .2610311 | .4745041 | -0.74 | 0.460 | .0074024 | 9.20475 |
| 6 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.8074 |
| 7 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.7192 |
| 8 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.7192 |
| 9 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.8074 |
| 10 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.7192 |
| 11 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.8074 |
| 12 | .3522313 | .5529019 | -0.66 | 0.506 | .0162438 | 7.63782 |
| 13 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.8074 |
| 14 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.7192 |
| 15 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.807 |
| 16 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.807 |
| 17 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.7192 |
| 18 | 2604501 | .4198757 | -0.83 | 0.404 | .0110532 | 6.1370 |
| 19 | 2604501 | .4198757 | -0.83 | 0.404 | .0110532 | 6.1370 |
| 20 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.7192 |
| 21 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.7192 |
| 22 | 377845 | .6104221 | -0.60 | 0.547 | .0159282 | 8.9631 |
| 23 | j 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.807 |
| 24 | 5762701 | .9169643 | -0.35 | 0.729 | .0254794 | 13.033 |
| 25 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.719 |
| 26 | 2595434 | .5319767 | -0.66 | 0.510 | .0046723 | 14.41 |
| 27 | 2595434 | .5319767 | -0.66 | 0.510 | .0046723 | 14.41 |
| 28 | 1645842 | .2935951 | -1.01 | 0.312 | .0049884 | 5.4301 |
| 29 | 1378376 | .2630705 | -1.04 | 0.299 | .0032719 | 5.8067 |
| 30 | 1378376 | .2630705 | -1.04 | 0.299 | .0032719 | 5.8067 |
| 31 | 2595434 | .4409459 | -0.79 | 0.427 | .0092913 | 7.2500 |
| 32 | 4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.719 |
| 33 | 2595434 | . 5319767 | -0.66 | 0.510 | .0046723 | 14.41 |
| 34 | .0573938 | . 1053767 | -1.56 | 0.120 | .0015705 | 2.0974 |
| 35 | .2610311 | .4745041 | -0.74 | 0.460 | .0074024 | 9.2047 |
| 36 | .0951672 | .1740069 | -1.29 | 0.198 | .0026432 | 3.4265 |
| 37 | 1645842 | .2935951 | -1.01 | 0.312 | .0049884 | 5.4301 |
| 38 | .0573938 | .1053767 | -1.56 | 0.120 | .0015705 | 2.0974 |
| 39 | 2610311 | .4745041 | -0.74 | 0.460 | .0074024 | 9.2047 |
| 40 | 1645842 | .2935951 | -1.01 | 0.312 | .0049884 | 5.4301 |
| 41 | 5962937 | .8337878 | -0.37 | 0.712 | .0384803 | 9.24020 |
| 42 | 3522313 | .5529019 | -0.66 | 0.506 | .0162438 | 7.63782 |
| 43 | 1645842 | .2935951 | -1.01 | 0.312 | .0049884 | 5.4301 |
| 44 | 1 | 1.732051 | -0.00 | 1.000 | .0335487 | 29.807 |
| 45 | .3169668 | .4676392 | -0.78 | 0.436 | .0175868 | 5.7126 |
| 46 | .7140874 | 1.094597 | -0.22 | 0.826 | .0353979 | 14.405 |
| 47 | .4973116 | .7750074 | -0.45 | 0.654 | .0234488 | 10.547 |
| 48 | .4973116 .1632549 | .906644 .2501386 | -0.38 -1.18 | 0.702 0.237 | .0139576 .0081032 | 17.7192 3.2890 |
| 49 | | | | | | |

| 50 | 2595434 | .5319767 | -0.66 | 0.510 | .0046723 | 14.4174 |
|-------|-------------------|----------|-------|-------|----------|----------|
| 51 | .3376499 | .5126761 | -0.72 | 0.475 | .0172199 | 6.62067 |
| 52 | .1378376 | .2630705 | -1.04 | 0.299 | .0032719 | 5.806736 |
| 53 | .2604501 | .4198757 | -0.83 | 0.404 | .0110532 | 6.137053 |
| 54 | .5762701 | .9169643 | -0.35 | 0.729 | .0254794 | 13.03356 |
| 55 | .1378376 | .2630705 | -1.04 | 0.299 | .0032719 | 5.806736 |
| 56 | .1378376 | .2630705 | -1.04 | 0.299 | .0032719 | 5.806736 |
| 57 | .2610311 | .4745041 | -0.74 | 0.460 | .0074024 | 9.204752 |
| 58 | .2595434 | .5319767 | -0.66 | 0.510 | .0046723 | 14.4174 |
| 59 | .0573938 | .1053767 | -1.56 | 0.120 | .0015705 | 2.097468 |
| 60 | .2595434 | .5319767 | -0.66 | 0.510 | .0046723 | 14.4174 |
| 61 | .4973116 | .906644 | -0.38 | 0.702 | .0139576 | 17.71928 |
| 62 | .0951672 | .1740069 | -1.29 | 0.198 | .0026432 | 3.426511 |
| 63 | .0774082 | .1515047 | -1.31 | 0.191 | .0016703 | 3.587351 |
| | | | | | | |
| spont | | | | | | 4 |
| 1 | 6.075917 | 2.593181 | 4.23 | 0.000 | 2.632218 | 14.02497 |
| 2 | 25.83707 | 14.85806 | 5.65 | 0.000 | 8.370372 | 79.75203 |
| cons | l l . 5 | .6123724 | -0.57 | 0.571 | .0453383 | 5.514101 |
| | | | | | | 3.314101 |
| | | | | | | |

- . testparm i.spont
- (1) [case]1.spont = 0
 (2) [case]2.spont = 0

chi2(2) = 37.28 Prob > chi2 = 0.0000

. * Model 6c

. logistic case i.stratum i.spont i.induced

Logistic regression Number of obs = 248 LR chi2(66) = Prob > chi2 = Pseudo R2 = 76.81 = 0.1708 Log likelihood = -119.68240.2429

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|---------|------------------|------------------|-------|--------|------------|-----------|
| stratum | | | | | | |
| 2 | .024428 | .0500556 | -1.81 | 0.070 | .0004402 | 1.355473 |
| 3 | .0078117 | .0183751 | -2.06 | 0.039 | .0000777 | .7851982 |
| 4 | .0362339 | .0716057 | -1.68 | 0.093 | .0007533 | 1.742877 |
| 5 | .1487253 | .2802737 | -1.01 | 0.312 | .0037008 | 5.976947 |
| 6 | 2.1395 | 3.945304 | 0.41 | 0.680 | .0576328 | 79.42451 |
| 7 | .3170604 | .6170017 | -0.59 | 0.555 | .0069936 | 14.37428 |
| 8 | .3170604 | .6170017 | -0.59 | 0.555 | .0069936 | 14.37428 |
| 9 | 1 | 1.920208 | 0.00 | 1.000 | .0232015 | 43.10064 |
| 10 | .6349275 | 1.317675 | -0.22 | 0.827 | .0108696 | 37.08823 |
| 11 | 2.1395 | 3.945304 | 0.41 | 0.680 | .0576328 | 79.42451 |
| 12 | .3261837 | .5720598 | -0.64 | 0.523 | .0104864 | 10.14604 |
| 13 | 1 | 1.920208 | 0.00 | 1.000 | .0232015 | 43.10064 |
| 14 | .6349275 | 1.317675 | -0.22 | 0.827 | .0108696 | 37.08823 |
| 15 | 2.1395 | 3.945304 | 0.41 | 0.680 | .0576328 | 79.42451 |
| 16 | .4952856 | .9391778 | -0.37 | 0.711 | .0120442 | 20.36731 |
| 17 | .3170604 | .6170017 | -0.59 | 0.555 | .0069936 | 14.37428 |
| 18 | .0454273 | .0823442 | -1.71 | 0.088 | .0013013 | 1.585821 |
| 19 | .0851006 | . 1547571 | -1.35 | 0.175 | .0024099 | 3.005104 |
| 20 | .3170604 | .6170017 | -0.59 | 0.555 | .0069936 | 14.37428 |
| 21 | .0905046 | .1915441 | -1.14 | 0.256 | .0014295 | 5.730006 |
| 22 | .0624729 | .1146968 | -1.51 | 0.131 | .0017098 | 2.282703 |
| 23 | . 4952856 | . 9391778 | -0.37 | 0.711 | .0120442 | 20.36731 |
| 24 | . 2832785 | .5819136 | -0.61 | 0.539 | .0050544 | 15.87672 |

| 25 | .2519967 | .6584155 | -0.53 | 0.598 | .0015045 | 42,20938 |
|----------|-----------------------|-----------|----------------|-----------|-----------|----------|
| 26 | 165044 | .4980469 | -0.60 | 0.551 | .0004456 | 61.12763 |
| 27 | 165044 | .4980469 | -0.60 | 0.551 | .0004456 | 61.12763 |
| 28 | .0097331 | .0216264 | -2.08 | 0.037 | .000125 | .7578228 |
| 29 | 024428 | .0500556 | -1.81 | 0.070 | .0004402 | 1.355473 |
| 30 | .0521061 | .1185536 | -1.30 | 0.194 | .0006028 | 4.503725 |
| 31 | 0213176 | .0417076 | -1 . 97 | 0.049 | .0004607 | .9865138 |
| 32 | 0213170 .0467405 | .0968081 | -1.48 | 0.139 | .0004007 | 2.708228 |
| 33 | l .0825866 | .2047922 | -1.48 -1.01 | 0.139 | | 10.65753 |
| | | .004266 | -1.01 -2.94 | | .00064 | .1264613 |
| 34 | .0020215 | | | 0.003 | .0000323 | |
| 35 36 | .0202364 | .0396877 | -1 . 99 | 0.047 | .0004333 | .9451795 |
| 36 | .0051571 | .0106969 | -2.54 | 0.011 | .0000885 | .300592 |
| 37 | .0097331 | .0216264 | -2.08 | 0.037 | .000125 | .7578228 |
| 38 | .0020215 | .004266 | -2.94 | 0.003 | .0000323 | .1264613 |
| 39 | .2021534 | .3985183 | -0.81 | 0.417 | .0042428 | 9.631874 |
| 40 | 1106271 | .2092471 | -1.16 | 0.244 | .0027155 | 4.506905 |
| 41 | 3134326 | .4793711 | -0.76 | 0.448 | .0156422 | 6.280461 |
| 42 | .2064731 | .3457739 | -0.94 | 0.346 | .0077515 | 5.499756 |
| 43 | 1106271 | .2092471 | -1.16 | 0.244 | .0027155 | 4.506905 |
| 44 | 1 | 1.920208 | 0.00 | 1.000 | .0232015 | 43.10064 |
| 45 | 233588 | .3776691 | -0.90 | 0.368 | .0098223 | 5.555051 |
| 46 | 3989054 | .6663858 | -0.55 | 0.582 | .0150976 | 10.53981 |
| 47 | .6349275 | 1.119156 | -0.26 | 0.797 | .020061 | 20.09536 |
| 48 | .3170604 | .6170017 | -0.59 | 0.555 | .0069936 | 14.37428 |
| 49 | .0273807 | .0470037 | -2.10 | 0.036 | .0009467 | .7919158 |
| 50 | .0603254 | .1382569 | -1.23 | 0.220 | .0006756 | 5.386774 |
| 51 | .0394177 | .0674295 | -1.89 | 0.059 | .0013791 | 1.126652 |
| 52 | .0191717 | .0394166 | -1.92 | 0.054 | .0003409 | 1.078229 |
| 53 | .0757301 | .135226 | -1.45 | 0.148 | .0022874 | 2.507265 |
| 54 | .0449532 | .0819672 | -1.70 | 0.089 | .0012609 | 1.60263 |
| 55 | .0437888 | .0951999 | -1.44 | 0.150 | .0006177 | 3.10409 |
| 56 | .002484 | .0054357 | -2.74 | 0.006 | .0000341 | .1810569 |
| 57 | .0202364 | .0396877 | -1.99 | 0.047 | .0004333 | .9451795 |
| 58 | .0078117 | .0183751 | -2.06 | 0.039 | .0000777 | .7851982 |
| 59 | .0085772 | .0168969 | -2.42 | 0.016 | .0001805 | .4075684 |
| 60 | .0603254 | .1382569 | -1.23 | 0.220 | .0006756 | 5.386774 |
| 61 | .0107529 | .024168 | -2.02 | 0.044 | .0001313 | .8803749 |
| 62 | .0023103 | .0049769 | -2.82 | 0.005 | .0000339 | .1575161 |
| 63 | .0132425 | .0279362 | -2.05 | 0.040 | .000212 | .8272821 |
| spont | | | | | | |
| 1 | 19.33975 | 10.62699 | 5.39 | 0.000 | 6.587558 | 56.77763 |
| 2 | 323.1262 | 283.5563 | 6.58 | 0.000 | 57.864 | 1804.413 |
| induced | | | | | | |
| 1 | 7.015417 | 3.855632 | 3.54 | 0.000 | 2.389121 | 20.60008 |
| 2 | 59.04695 | 51.53253 | 4.67 | 0.000 | 10.67386 | 326.6432 |
| conc | .2336995 | .3221708 | -1.05 | 0.292 | .0156754 | 3.484156 |
| _cons | 1 12330333 | . 2221/00 | -1.03 | U . Z 3 Z | • 0130/34 | J:404130 |

. testparm i.spont

(1) [case]1.spont = 0
(2) [case]2.spont = 0

chi2(2) = 46.18 Prob > chi2 = 0.0000

- . testparm i.induced
- (1) [case]1.induced = 0
 (2) [case]2.induced = 0

chi2(2) = 22.54 Prob > chi2 = 0.000 0.0000 estimates store mult6

. * Model 6d
. logistic case i.stratum g2-g8

Number of obs = 248 LR chi2(69) = 82.87 Prob > chi2 = 0.1218 Pseudo R2 = 0.2621 Logistic regression

Log likelihood = -116.64849

| case | Odds Ratio | Std. Err. | Z | P> z | [95% Conf. | Interval] |
|----------|------------------------|----------------------|----------------|----------------|----------------------|----------------------|
| stratum | | | | | | |
| 2 | .0287171 | .0577608 | -1.77 | 0.078 | .0005573 | 1.479873 |
| 3 | .0024395 | .0085042 | -1.73 | 0.084 | 2.63e-06 | 2.262395 |
| 4 | .0396383 | .0804906 | -1.59 | 0.112 | .0007407 | 2.12123 |
| 5 | .1033635 | .2014229 | -1.16 | 0.244 | .002268 | 4.710759 |
| 6 | 2.365951 | 4.458022 | 0.46 | 0.648 | .0589029 | 95.03305 |
| 7 | .2479755 | .501176 | -0.69 | 0.490 | .0047214 | 13.02409 |
| 8 | .2479755 | .501176 | -0.69 | 0.490 | .0047214 | 13.02409 |
| 9 | j 1 | 1.970226 | -0.00 | 1.000 | .0210349 | 47.53999 |
| 10 | .5474319 | 1.208521 | -0.27 | 0.785 | .007231 | 41.44375 |
| 11 | 2.365951 | 4.458022 | 0.46 | 0.648 | .0589029 | 95.03305 |
| 12 | .2333689 | .4280205 | -0.79 | 0.428 | .00641 | 8.496234 |
| 13 | 1 | 1.970226 | -0.00 | 1.000 | .0210349 | 47.53999 |
| 14 | .5474319 | 1.208521 | -0.27 | 0.785 | .007231 | 41.44375 |
| 15 | 2.365951 | 4.458022 | 0.46 | 0.648 | .0589029 | 95.03305 |
| 16 | 4502394 | .8751621 | -0.41 | 0.681 | .0099748 | 20.32283 |
| 17 | .2479755 | .501176 | -0.69 | 0.490 | .0047214 | 13.02409 |
| 18 | .0619059 | .1118147 | -1.54 | 0.123 | .0017959 | 2.133908 |
| 19 | .0767991 | .1400909 | -1.41 | 0.159 | .0021511 | 2.741896 |
| 20 | .2479755 | .501176 | -0.69 | 0.490 | .0047214 | 13.02409 |
| 21 | 1350674 | .2697997 | -1.00 | 0.316 | .0026931 | 6.77394 |
| 22 | .0658425 | .1214608 | -1.47 | 0.140 | .0017713 | 2.447552 |
| 23 | 4502394 | .8751621 | -0.41 | 0.681 | .0099748 | 20.32283 |
| 24 | 3265765 | .6729304 | -0.54 | 0.587 | . 0057548 | 18.5326 |
| 25 | .4418645 | 1.036538 | -0.35 | 0.728 | .0044516 | 43.85922 |
| 26 | .2223337 | .6308219 | -0.53 | 0.596 | .0008549 | 57.82266 |
| 27 | .2223337 | .6308219 | -0.53 | 0.596 | .0008549 | 57.82266 |
| 28 | .0104894 | .0261729 | -1.83 | 0.068 | .0000789 | 1.395212 |
| 29 | .0287171 | .0577608 | -1.77 | 0.078 | .0005573 | 1.479873 |
| 30 | .0544815 | .1176257 | -1.35 | 0.178 | .0007916 | 3.74969 |
| 31 | .0243463 | .0489122 | -1.85 | 0.064 | .0004746 | 1.248859 |
| 32 | .0820946 | .1730049 | -1.19 | 0.236 | .0013198 | 5.106501 |
| 33 | 1006225 | .2354236 | -0.98 | 0.326 | .001026 | 9.867935 |
| 34 | .0005397 .0434324 | .0014585 | -2.78 | 0.005 0.122 | 2.70e-06 | .1077618 |
| 35 36 | •0454524 •0058467 | .0879977 .0134307 | -1.55 -2.24 | 0.122 | .0008189 .0000648 | 2.303661 .5275091 |
| 37 | 0104894 | .0261729 | -2.24 -1.83 | 0.023 | .0000789 | 1.395212 |
| 38 | .0005397 | .0014585 | -2.78 | 0.005 | 2.70e-06 | .1077618 |
| 39 | 1354775 | .2759972 | -0 . 98 | 0.326 | .0024991 | 7.34429 |
| 40 | 0716176 | .1394692 | -1.35 | 0.320 0.176 | .0015753 | 3.255842 |
| 41 | 2539526 | .4036172 | -0.86 | 0.170 | .0112695 | 5.722709 |
| 42 | 1496392 | .2606593 | -1.09 | 0.276 | .004924 | 4.547459 |
| 43 | .0716176 | .1394692 | -1.35 | 0.176 | .0015753 | 3.255842 |
| 44 | 1 | 1.970226 | -0.00 | 1.000 | .0210349 | 47.53999 |
| 45 | 1635939 | .2758599 | -1.07 | 0.283 | .0060039 | 4.457631 |
| 46 | 3393007 | .5867072 | -0.63 | 0.532 | .0114476 | 10.05665 |
| 47 | 5474319 | 1.01623 | -0.32 | 0.746 | .0143944 | 20.8193 |
| 48 | .2479755 | .501176 | -0.69 | 0.490 | .0047214 | 13.02409 |
| 49 | .0398605 | .0684733 | -1.88 | 0.061 | .0013751 | 1.155468 |
| 50 | .0713606 | . 1554875 | -1.21 | 0.226 | .0009972 | 5.106711 |
| 51 | .0550693 | .0945895 | -1.69 | 0.091 | .0019004 | 1.595775 |
| | | | | | | |

```
.0383897
  52
                      .0802854
                                   -1.56
                                           0.119
                                                      .0006369
                                                                   2.313966
                                   -1.49
  53
           .0687982
                      .1233452
                                           0.135
                                                      .0020488
                                                                   2.310248
  54
                                   -1.60
           .0524576
                      .0967903
                                           0.110
                                                      .0014101
                                                                   1.951523
                                                                   2.703615
  55
                      .0957052
                                   -1.48
                                                      .0007847
           .0460613
                                           0.139
  56
           .0005678
                      .0015685
                                   -2.71
                                           0.007
                                                      2.53e-06
                                                                   .1274984
  57
                      .0879977
                                   -1.55
                                                      .0008189
           .0434324
                                           0.122
                                                                   2.303661
           .0024395
  58
                      .0085042
                                   -1.73
                                           0.084
                                                      2.63e-06
                                                                   2.262395
  59
           .0161747
                      .0327256
                                   -2.04
                                            0.042
                                                      .0003066
                                                                   .8531698
                                   -1.21
  60
           .0713606
                      .1554875
                                           0.226
                                                      .0009972
                                                                   5.106711
  61
           .0087523
                      .0212825
                                   -1.95
                                           0.051
                                                      .0000745
                                                                   1.027899
  62
           .0005694
                      .0015747
                                   -2.70
                                            0.007
                                                      2.52e-06
                                                                   .1287176
  63
                                                      .0003366
                                                                   1.427815
           .0219233
                      .0467148
                                   -1.79
                                           0.073
                                                      2.028662
          8.829499
                      6.625497
                                    2.90
                                           0.004
                                                                   38.42929
   g2
   g3
          59.68848
                      57.32766
                                    4.26
                                           0.000
                                                      9.085648
                                                                   392.1255
           33.0359
                                    4.58
                                           0.000
                                                       7.38909
                                                                   147.7003
   g4
                      25.24242
   g5
          51.98628
                      56.30819
                                    3.65
                                           0.000
                                                      6.221886
                                                                   434.3656
   g6
          2178.239
                      3741.422
                                    4.47
                                           0.000
                                                      75.17117
                                                                   63118.97
                       198.894
                                                      35.46131
   g7
          215.8391
                                    5.83
                                           0.000
                                                                   1313.728
   g8
          30546.26
                      64670.06
                                    4.88
                                           0.000
                                                      481.7958
                                                                    1936658
_cons
                      .3026075
                                   -1.09
                                           0.278
                                                      .0127679
                                                                   3.497902
          .2113315
```

. test g2 g3 g4 g5 g6 g7 g8

```
(1) [case]g2 = 0
```

$$(5) [case]g6 = 0$$

$$(6) [case]g7 = 0$$

$$(7) [case]g8 = 0$$

$$chi2(7) = 47.45$$

Prob > $chi2 = 0.0000$

. lrtest mult6

Likelihood-ratio test LR chi2(3) = 6.07 (Assumption: mult6 nested in .) Prob > chi2 = 0.1084

⁽²⁾ [case]g3 = 0

^{(3) [}case]g4 = 0

^{(4) [}case]g5 = 0

[.] log close