

```

GET DATA
  /TYPE=TXT
  /FILE="/home/jon/prj/KSolve/tests/big2000.txt"
  /ARRANGEMENT=DELIMITED
  /DELCASE=LINE
  /FIRSTCASE=2
  /DELIMITERS="\t"
  /QUALIFIER=' '
  /VARIABLES=
    row f3.0
    seed F7.0
    threads F1.0
    draw F1.0
    outcome F1.0
    moves F3.0
    passes F1.0
    time F7.3
    frmax F7.0
    branches F8.0
    treemoves F8.0.

```

```
compute Large = treemoves > 100000000.
```

```
recode outcome(1=0).
```

```
value labels outcome 0 "Solved" 2 "Impossible" 3 "Too big".
```

```
format large (f1).
```

```
missing values outcome(3).
```

```
CROSSTABS
```

```

  /TABLES= large BY outcome
  /FORMAT=AVALUE TABLES
  /STATISTICS=CHISQ
  /CELLS=COUNT ROW COLUMN TOTAL.

```

#### Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Large x outcome	1969	98.5%	31	1.6%	2000	100.0%

#### Large x outcome

			outcome		Total
			Solved	Impossible	
Large	0	Count	1798	158	1956
		Row %	91.9%	8.1%	100.0%

		outcome		Total
		Solved	Impossible	
	Column %	99.6%	96.3%	99.3%
	Total %	91.3%	8.0%	99.3%
1	Count	7	6	13
	Row %	53.8%	46.2%	100.0%
	Column %	.4%	3.7%	.7%
	Total %	.4%	.3%	.7%
Total	Count	1805	164	1969
	Row %	91.7%	8.3%	100.0%
	Column %	100.0%	100.0%	100.0%
	Total %	91.7%	8.3%	100.0%

#### Chi-Square Tests

	Value	df	Asymptotic Sig. (2-tailed)	Exact Sig. (2-tailed)	Exact Sig. (1-tailed)
Pearson Chi-Square	24.52	1	.000	.000	.000
Likelihood Ratio	13.26	1	.000		
Fisher's Exact Test					
Continuity Correction	19.79	1	.000		
Linear-by-Linear Association	24.51	1	.000		
N of Valid Cases	1969				

GET DATA

```

/TYPE=TXT
/FILE="/home/jon/prj/KSolve/tests/big3-2000.txt"
/ARRANGEMENT=DELIMITED
/DELCASE=LINE
/FIRSTCASE=2
/DELIMITERS="\t"
/QUALIFIER=' "'
/VARIABLES=
  row f3.0
  seed F7.0
  threads F1.0
  draw F1.0
  outcome F1.0
  moves F3.0
  passes F1.0
  time F7.3
  frmax F7.0
  branches F8.0
  treemoves F8.0.

```

compute Large = treemoves > 70000000.

recode outcome(1=0).

value labels outcome 0 "Solved" 2 "Impossible" 3 "Too big".

format large (f1).

missing values outcome(3).

CROSSTABS

/TABLES= large BY outcome

/FORMAT=AVALUE TABLES

/STATISTICS=CHISQ

/CELLS=COUNT ROW COLUMN TOTAL.

### Summary

	Cases					
	Valid		Missing		Total	
	N	Percent	N	Percent	N	Percent
Large x outcome	1987	99.4%	13	.7%	2000	100.0%

### Large x outcome

			outcome		Total
			Solved	Impossible	
Large	0	Count	1616	365	1981
		Row %	81.6%	18.4%	100.0%
		Column %	99.9%	98.9%	99.7%
		Total %	81.3%	18.4%	99.7%
	1	Count	2	4	6
		Row %	33.3%	66.7%	100.0%
		Column %	.1%	1.1%	.3%
		Total %	.1%	.2%	.3%
Total	Count		1618	369	1987
	Row %		81.4%	18.6%	100.0%
	Column %		100.0%	100.0%	100.0%
	Total %		81.4%	18.6%	100.0%

### Chi-Square Tests

	Value	df	Asymptotic Sig. (2-tailed)	Exact Sig. (2-tailed)	Exact Sig. (1-tailed)
Pearson Chi-Square	9.21	1	.002	.013	.013
Likelihood Ratio	6.68	1	.010		
Fisher's Exact Test					
Continuity Correction	6.29	1	.012		
Linear-by-Linear Association	9.20	1	.002		
N of Valid Cases	1987				