

Simple Puzzle Tests

sud2sat Input:

```
...1.5...
14....67.
.8...24..
.63.7..1.
9.....3
.1..9.52.
..72...8.
.26....35
...4.9...
```

sat2sud Output:

```
672 145 398
145 983 672
389 762 451
263 574 819
958 621 743
714 398 526
597 236 184
426 817 935
831 459 267
```

minisat Statistics:

```
WARNING: for repeatability, setting FPU to use double precision
===== [ Problem Statistics ] =====
|
| Number of variables:      729
| Number of clauses:       3550
| Parse time:              0.01 s
| Simplification time:     0.00 s
|
===== [ Search Statistics ] =====
| Conflicts | ORIGINAL | LEARNT | Progress |
|           | Vars  Clauses Literals | Limit  Clauses Lit/C1 |
=====
restarts      : 1
conflicts     : 0          (0 /sec)
decisions     : 1          (0.00 % random) (87 /sec)
propagations  : 729        (63358 /sec)
conflict literals : 0      (-nan % deleted)
Memory used   : 23.00 MB
CPU time      : 0.011506 s

SATISFIABLE
```

sud2sat Input:

```
003020600
900305001
001806400
008102900
700000008
006708200
002609500
800203009
005010300
```

sat2sud Output:

```
483 921 657
967 345 821
251 876 493
548 132 976
729 564 138
136 798 245
372 689 514
814 253 769
695 417 382
```

minisat Statistics:

```
WARNING: for repeatability, setting FPU to use double precision
===== [ Problem Statistics ] =====
|
|   Number of variables:      729
|   Number of clauses:       2959
|   Parse time:              0.00 s
|   Simplification time:     0.00 s
|
===== [ Search Statistics ] =====
| Conflicts |          ORIGINAL          |      LEARNT      | Progress |
|           |  Vars  Clauses Literals  |  Limit  Clauses Lit/C1 |          |
=====
restarts      : 1
conflicts     : 0              (0 /sec)
decisions     : 1              (0.00 % random) (149 /sec)
propagations  : 729            (108725 /sec)
conflict literals : 0          (-nan % deleted)
Memory used   : 23.00 MB
CPU time      : 0.006705 s

SATISFIABLE
```

sud2sat Input:

```
200080300
060070084
030500209
```

```
000105408
000000000
402706000
301007040
720040060
004010003
```

sat2sud Output:

```
245 981 376
169 273 584
837 564 219
976 125 438
513 498 627
482 736 951
391 657 842
728 349 165
654 812 793
```

minisat Statistics:

```
WARNING: for repeatability, setting FPU to use double precision
===== [ Problem Statistics ] =====
|
| Number of variables:      729
| Number of clauses:       3744
| Parse time:              0.01 s
| Eliminated clauses:      0.00 Mb
| Simplification time:     0.00 s
|
===== [ Search Statistics ] =====
| Conflicts |          ORIGINAL          |      LEARNT      | Progress |
|           | Vars  Clauses Literals |   Limit  Clauses Lit/C1 |           |
=====
restarts      : 1
conflicts     : 10          (1220 /sec)
decisions     : 17          (0.00 % random) (2074 /sec)
propagations  : 874         (106637 /sec)
conflict literals : 28      (0.00 % deleted)
Memory used   : 23.00 MB
CPU time      : 0.008196 s

SATISFIABLE
```

sud2sat Input:

```
000000907
000420180
000705026
100904000
050000040
000507009
```

```
920108000
034059000
507000000
```

sat2sud Output:

```
462 831 957
795 426 183
381 795 426
173 984 265
659 312 748
248 567 319
926 178 534
834 259 671
517 643 892
```

minisat Statistics:

WARNING: for repeatability, setting FPU to use double precision

===== [Problem Statistics] =====

```
|
|  Number of variables:      729
|  Number of clauses:      3859
|  Parse time:              0.00 s
|  Eliminated clauses:      0.00 Mb
|  Simplification time:     0.00 s
|
```

===== [Search Statistics] =====

Conflicts	ORIGINAL	LEARNT	Progress				
	Vars	Clauses	Literals	Limit	Clauses	Lit/C1	

```
=====
restarts          : 1
conflicts         : 15          (1636 /sec)
decisions         : 25          (0.00 % random) (2726 /sec)
propagations      : 1210        (131952 /sec)
conflict literals : 72          (13.25 % deleted)
Memory used       : 23.00 MB
CPU time          : 0.00917 s
```

SATISFIABLE
