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# **Sudoku Analysis Documentation**

*Release 0.0*

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## Quickstart

The simple documentation is also available.

## Abstract

- [Puzzling Stack Exchange: Sudoku and guessing : theory?](#)  
This is a good place to introduce the Satoku Matrix as a non-guessing, non-backtracking algorithm.
- [Ask Andrew Stuart from SudokuWiki.org](#)
- [Ask Sudoku Swami](#)
- [Denis BERTHIER's web pages](#) see also [Denis Berthier's answer to Are all sudoku puzzles solvable by logical deductions or some do require a guess at some stage?](#)



## RESOURCES

- [SudokuWiki.org](http://SudokuWiki.org)
- [Systematic Sudoku | Human engineered Sudoku solving](#)
- [SadMan Software: Techniques for Solving Sudoku](#)
- [The New Sudoku Players' Forum](#)
- [SudokuOne - Home of Xsудо](#)

### 1.1 Puzzles

- [Sudoku oppgaver \(Menneske\)](#)
- [Printable Puzzles by KrazyDad](#)

### 1.2 Monster Loops

- [More Monster Loops, Structure and Symmetry : Advanced solving techniques](#)
- [exocet pattern in hardest puzzles : Advanced solving techniques](#)

### 1.3 Bob Hanson

- [Sudoku Assistant/Solver](#)
- [Sudoku Analyst](#)
- [Sudoku Assistant – Solving Techniques](#)
- [12000 Method Examples – Sudoku Assistant](#)
- [Solution to the Easter Monster Puzzle: Formal Logic and Number Pair Chains:](#)





## HDP SUDOKU NOTATION

Cell and range notation is defined similar to spreadsheets.

This differs from the rXcY notation used on the web.

### 2.1 Rows, Columns, Cells

Columns are labeled with uppercase letters, rows are labeled with numbers:

	A	B	C	D	E	F	G	H	I
1									
2		Q1			Q2			Q3	
3									
4									
5		Q4			Q5			Q6	
6									
7									
8		Q7			Q8			Q9	
9									

Cells are denoted as *<column><row>* references. E.g.:

H5  
A3

### 2.2 Ranges

Ranges are referenced as comma separated tuples *<cell\_1>, <cell\_2>, <cell\_3>*:

A4,B4,C4,D4,E4 (row segment)  
C1,C2,C3 (column segment)

Contiguous ranges are also referenced in spreadsheet range notation *<upper left cell> .. <lower right cell>*:

A4..E4 == A4,B4,C4,D4,E4 (row segment)  
C1..C3 == C1,C2,C3 (column segment)  
A4..E5 == A4,B4,C4,D4,E4,A5,B5,C5,D5,E5 (rectangular range)

#### 2.2.1 Quadrants

Quadrants (blocks) are referenced by *Q<number>*. E.g., quadrant Q1 is equivalent to the cells A1..C3:

```
Q1 = A1, B1, C1, = A1..C3
    A2, B2, C2,
    A3, B3, C3
```

## 2.2.2 Range exclusion

Set minus notation is used to exclude range(2) from another range. E.g.:

```
Q1\A1..B2 = A3,B3,C1,C2,C3
Q1\A1..B2\C2 = A3,B3,C1,C3
```

## 2.3 Possible Values

Possible values of a cell range are given as comma separated number tuples after a colon *<range>*: *<value\_1>*, *<value\_2>*, *<value\_3>*. E.g.:

```
A5: 1,2,3
A3..B4: 1,2,3
```

If only a subset or superset of the values is of interest, a trailing short ellipses is used. The given possible values need not actually be present in the cells of a range. E.g.:

Actual	Subset/Superset
A2: 1,2,7	A2: 2..
B5: 3,5,9	B5: 3,5..
C3: 4,7,9	C3: 1,4..

## 2.4 Reasoning

Condition, consequence or reason, constraints. Read:

```
E1..F1: 2.. => A1..C1 != 2
```

as:

“The possible value 2 (among other possible values) in cells E1,F1 constrains the possible values of cell range A1,B1,C1 to be not 2”.

Such a condition can also be expressed more clearly as:

```
Q2: 2.. => A1..C1 != 2
```

Read it as:

“The distribution of possible values 2 (among other possible values) in quadrant Q2 constrains the possible values of A1,B1,C1 to be not 2”.

## SUDOKU ALGORITHMS/GENERATORS/SOLVERS

Good references to other places: <http://stackoverflow.com/questions/6963922/java-sudoku-generator-easiest-solution>

Algorithms: <http://www.sadmansoftware.com/sudoku/solvingtechniques.htm>

Good generator discussion: <http://garethrees.org/2007/06/10/zenudoku-generation/>

### 3.1 Block/Block Exclusion

1			
2	Q1	Q2	Q3
3			
4			
5	Q4	Q5	Q6
6			
7			
8	Q7	Q8	Q9
9			

Examine block relations in 3 sets of 3-cell-strips:

By rows:

Q1	Q2	Q3
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip
Q4	Q5	Q6
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip
Q7	Q8	Q9
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip

By columns:

Q1	Q4	Q7
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip
Q2	Q5	Q8
3-cell-strip	3-cell-strip	3-cell-strip
3-cell-strip	3-cell-strip	3-cell-strip

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```

3-cell-strip | 3-cell-strip | 3-cell-strip
Q3           Q6           Q9
3-cell-strip | 3-cell-strip | 3-cell-strip
3-cell-strip | 3-cell-strip | 3-cell-strip
3-cell-strip | 3-cell-strip | 3-cell-strip

```

## 3.2 Pair, Triple, .. Detection

The goal is to find a distribution of  $x$  values over  $x$  cells.

A general distribution algorithm has worst case complexity of `choose()`. Since `choose()` is polynomial, the algorithm is effective.

Worst case number of possible distribution combinations for 9 free cells:

```

choose(9,2) = 36
choose(9,3) = 84
choose(9,4) = 126
choose(9,5) = 126
choose(9,6) = 84
choose(9,7) = 36
choose(9,8) = 9

```

The minimal case of 2 values distributed over 2 free cells = `choose(2,2) = 1` is trivial.

The maximal case of 9 values distributed over 9 free cells = `choose(9,9) = 1` is also trivial.

The `sum()` is 501 different combinations per 9-segment (row, column, quadrant). The maximum amount of possible combinations is therefore:

```
(9 rows + 9 columns + 9 quadrants) * 501 = 13527.
```

The general formula for the number of possible combinations depending on the number of free cells is:

```
if max(free) > 2: for x = 2..max(free)-1: choose(max(free), x)
```

The possible pairings can be held in tables to avoid repeating calculations at run-time.

If an  $x$ -distribution of values over  $x$  cells is found, both hidden and naked pairs can be handled with the result.

## 3.3 Coloring

- mark all pairs (including blocks)
- alternate colors as necessary
- disable all cells that share both a cell and an alternate
- repeat

See `sadman-swordfish3-base.sdk value2` for a good example

However, see `algo-xy-wing-000-base.sdk value 3` for a counter-example of weakly-linked blocks

---

**CHAPTER  
FOUR**

---

**DESIGN**

sudoku::cell

sudoku::cell::var:

```
parent -> sudoku::cell
```



HARD PUZZLES

From More Monster Loops, Structure and Symmetry : Advanced solving techniques:

```
.....39.8.....5..9.6.8....5.9...67....2.....4.....3.8..5..2.7..6..4.....1.. colx062,  
↪coloin 2.8 3BB r12c7 r4c8 r7c9  
.....4.....2.3.....5.7....9..4..2.8..985....63.....8....79....8...6...5.1...8 tarx0035,  
↪tarek 28.1 1.5 *3BB r9c78 r7c4 r8c2  
.....2..1...7...3..5..9.....6.4...3.4.8...4.5.9...9..6..3...2...1..7...3... tarx0006;  
↪Trompe_l'oeil 33.4 1.5 *3BB r5c46 r4c2 r6c8  
..9.....6...3...1...7...54...52..7.....6.4..3.9.....2.....1.....2.57...48....2 tarx0064,  
↪tarek 5.1 *3BB r9c78 r7c5 r8c1  
.....89.....1.35..3.5.....5.6...8.7...2...1..4.....6.9..5..2.7..6..4..... colx180,  
↪coloin 22.7 23.5 *BB r12c7 r4c8 r7c9  
.....5..3..9....4..81.4.....7.....4..2..68...14.3.....2...4...6..79...5..1. tarx0108,  
↪tarek 49.5 1.9 *3BB r1c23 r2c5 r3c8  
.....3..1..9.6..5..8.4.....9...8...867....1...2...6..7.2..3.8..5..4.....8 tarx0119,  
↪tarek 63.5 1.7 *3BB r6c45 r4c3 r5c8  
.....6..2...4..1..798...79.....8..5.....3..8.1...6...2..9...51..4.....8 tarx0010,  
↪tarek *53.9 2.0 3BB r6c45 r4c2 r5c7  
.....5.....3.7...8.9.8...4...5....2.8.6..4..7...3.....2...69...4...1..1.9...4 tarx0062,  
↪tarek 8.3 *3BB r78c9 r3c7 r5c8  
.....7..9.5.2..1...6.8...5..6...9.....3...64.2...8.6.....4.2.9..7.....61 tarx0004,  
↪tarek, 5.3 *3BB r5c46 r4c3 r6c7  
.....7..1...9.8...3.6..5.9.9..25.....6...3..9...4...7...91.2.5..3..8..... tarx0003,  
↪tarek 6.1 *3BB r6c56 r4c7 r5c2  
.....1.....7.2....9.6.8..5..1..7...6.9....42.9.....8...59.8...4...6.3...8 tarx0079,  
↪tarek 4.7 *3BB r9c78 r7c2 r8c4  
.....6..9...4...1..7..8...7.1.3.1.8.3.5...3...2...8..2.1...6...9..4..3..... tarx0114,  
↪tarek 4.3 *3BB r5c46 r4c2 r6c8  
..1.....5...6..16.7.....1..3...4.5.8..9..2..5...5..3..7...8..4..3.5..2.. tarx0014,  
↪tarek 5.8 *3BB r13c2 r4c3 r7c1  
.....7.2.4...6.1.....5...9...2.4....8..6..6..9.....5..3...3..8..2.7...4..1 TungstonRod,  
↪coloin 9.7 3BB r56c6 r2c5 r8c4  
.....2..8..91..5.....4...9.7....7.3.8.....8.1.3..4..6...5..97..3..2..... tarx0052,  
↪tarek 2.5 *3BB r46c5 r2c4 r8c6  
.....91.....35...9.3.8...3.5...67....2.....4.....6.8..9..2.7..6..4.....1.. weekender1,  
↪coloin 56.8 3.6 3BB r12c7 r4c8 r7c9  
.....3..1..56...9..4..7.....9.5.7.....8.5.4.2...8..2..9...35..1..6..... tarx0001;  
↪Fata_Morgana 7.1 1.2 *3BB r5c46 r4c2 r6c8  
.....5..8..79...6..1..4...1.2.7.4...7...3.7.6.....3..2..6...5...8..9.....7 tarx0002,  
↪tarek 32.4 2.3 *3BB r5c46 r4c2 r6c8  
.....9..6.1.7.24.....3.....12..6..2..5...28.7...3.....4..8.7.6..9..1..... tarx0130,  
↪tarek 8.0 3BB r5c46 r4c3 r6c7  
.....2..8.1.9..5...3.4...1.93...6..3..8...37.....4.....53.1.7.8..2..... tarx0140,  
↪tarek 8.3 3BB r5c46 r4c3 r6c7  
..6.....3...7..11.7.....9.3...6..5.5.8..2...3..5..6...2...4..4..9.8.. tarx0137,  
↪tarek 42.3 1.3 3BB r13c2 r5c3 r7c1  
.....1.....4.32.2..3.5.....7.....4..2...5..89..4...78..6...3..1..5.9..... coly004,  
↪coloin 4.4 *3BB r12c7 r5c8 r8c9  
.....7..8.3..2..9...84..3...6.....8.5..6..5.4.....9.8.2.1...7.8..3..4.. tarx0121,  
↪tarek 42.3 1.3 *3BB r46c2 r3c1 r9c3  
.....9..1...6...5..7..4...4.7.8...3.8...5.8...2...78.2..5..39...1..6..... tarx0011,  
↪tarek 7.2 *3BB r5c46 r4c2 r6c8  
.....93.8.....5..3.6.8...5.9...67....2.....4.....9.8..5..2.7..6..4.....1.. colx1665,  
↪coloin 4.3 3BB r12c7 r4c8 r7c9  
.....2..7...1...3..9..4.....9.6.6...3.4.5.4...8...6..4..5...2...7..1..8..... tarx0145,  
↪tarek 5.5 *3BB r5c46 r4c2 r6c8
```

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```

.....6..5.3.7..2....8.1....9..8...5..8..4...87.3....1.3.....7.9.5..6.....2 tarx0013,
↳tarek 23.8 1.9 *3BB r5c46 r4c3 r6c7
.....8..3.9.4..6....7.1....5.97...3.....2...74.....7....6..4.5.3..81..... tarx0007,
↳tarek 6.4 *3BB r5c46 r4c3 r6c7
.2.4..7.....32.....94.9.2...7...6..5...8...1....5.1..8....3.9...7.....6.. colx467,
↳coloin 2.1 3BB r23c7 r4c9 r8c8
....6.....1.2...3.3.8...7...6.....5.5.3..7..2...1.....9..4...5...98..9.4...7 tarx0008,
↳tarek 53.2 3.2 3BB r78c9 r3c7 r5c8
.....6..4.7.9.28.....3.....72...4..2..1...25.9...3.....8..9.5.7..6.....9. tarx0103,
↳tarek 4.7 3BB r5c46 r4c3 r6c7
.....7..4.2.6..8.....31.....29...4..9..3...95.6...1.....8..6.5.2..7.....6. tarx0139,
↳tarek 3.0 3BB r5c46 r4c3 r6c7
1.....2...1..3...5..34...2..1..4...8.7..6..9.....1..5.4.8.....5..9...6.... coly001,
↳coloin 3.3 3BB r12c7 r4c8 r7c9
..8.....5...8..11.9.4.....3.....5..9..4.4.6...7.....6..5....4.29.2..7..3. tarx0061,
↳tarek 28.6 2.9 3BB r13c2 r5c1 r8c3
.....7..2...6...8..1..9...9.1.3.3...8...4.9...5...3..9..4...7...2..6..5.... tarx0146,
↳tarek 5.0 *3BB r5c46 r4c2 r6c8

....9..5..1.....3...23..7...45...7.8.....2.....64...9..1....8..6.....54....7 coly013,
↳coloin 1.4 BB r12c7 r4c9 r8c3 BB r56c8 r3c9 r9c7
...1...87.....9..6.9.5...8.6...5....23...7.4..6...3.8..5..2...1...4..... coly012,
↳coloin 3.7 BB r12c7 r4c8 r7c9 BB r56c9 r3c8 r7c7
.....7..2...96..8...6...3...92...46..5...1..54.....5.4.9...3...7.1.....8 tarx0009,
↳tarek 15.1 13.8 *BB r46c4 r2c5 r7c6
....6..5.1.....2...9.3.4.....7.....48.9...8..4.39...7.8.3...5....1.2.....6 tarx0012,
↳tarek 3.2 BB r4c46 r5c7 r6c3
.....1..6...23.2..3.4..8...5...3..1...4..96.....9..7..1..2..4.5...8... coly002,
↳coloin 7.1 BB r12c7 r5c8 r8c9
.....5..6..87..3.....9...1.7.4...7...8...4...6...9..8...3..16..4..5...2.... tarx0067,
↳tarek 2.5 BB r46c5 r2c4 r8c6
...2...87.....9..3.9.5...8.3...51.....3....4..6...6.8..5..7...1..2...4... coly007,
↳coloin 4.3 BB r12c7 r4c8 r7c9 BB r56c9 r3c8 r7c7
.1.....8.7...4..9..3.9.5...8.3...5.2...3....4..6...6.8..5.2...1.....7.... coly010,
↳coloin, 2.6 BB r2c17 r4c8 r7c9 BB r56c9 r3c8 r7r7
...1...8.7.....9..3.9.5...8.3...57...23...4..6...6.8..5.4...1..2..... coly006,
↳coloin, 3.7 BB r2c17 r4c8 r7c9 BB r56c9 r3c8 r7r7
...1...87.....9..3.9.5...9.3...5...23...4..6...6.8..5.47...1..2..... coly008,
↳coloin, 3.4 BB r2c17 r4c8 r7c9 BB r56c9 r3c8 r7r7
....5..4.9...2...6.7.3...7..8...86...13..8.....3.1.6...2.....54.....9. tarx0068,
↳tarek 16.0 18.*BB r6c46 r4c3 r5c7
.....6..5..8.9..3.4..7...491.....8..4.5...42...1..9.5..6...4.37..... tarx0005,
↳tarek, 6.4 *BB r6c45 r4c8 r5c3
....1.39.....5..3.5.6...8.9...67...28..1..4.....9.8..5..2.....4..7.... colx001,
↳coloin 28.6 BB r12c7 r4c8 r7c9
1.....5.2.4...6...3...7...9...4.....9.8.8.26.....5.1...6.9...2...7.....3 colx134,
↳coloin 32.0 BB r6c56 r4c8 r5c2
.....39.....1..5..3.5.8...8.9...6.7...2...1..4.....9.8..5..2...6..4..7.... Golden_
↳Nugget,tarek 56.7 30 *BB r12c7 r4c8 r7c9
.....6..5..18...9...8.7...8.2...3.1.2..4..5.3...6...9...83..1..7.....4 tarx0075,
↳tarek 22.5 18.3 *BB r46c5 r2c4 r8c6
3.....2.8..7..1...69.....5.7.4.....8...51..7...9...3...1..4..8.2.....6 Pearly6000-
↳1801,tarek, 33.0 21.6 *BB r5c46 r4c8 r6c2
7...4..8.1.....9..6.9.5...8.6...5....23...4..6...3.8..5.2...1.....7.... coly009,
↳coloin 1.5 BB r12c7 r4c8 r7c9 BB r56c9 r3c8 r7c7
1.....7.2.4..6...3...5...9..4.....62.4...9..8...5...3.6.2...8.7...1... SilverPlate,
↳coloin 67.2 77.9 BB r6c56 r4c8 r5c2
9...4...3..6..7...5...8...2.1.6.....7...3...2...1..8...9...7..1..6.4.....5 tarek071,
↳tarek 29.6 29.6 *BB r5c46 r4c8 r6c2
1.....7.2.4...6...3...5...9..82.....9..8...6..4...5...1..6.8...2.7...3...
↳BronzeMedalian,coloin 16.5 16 *BB r6c56 r4c8 r5c2

....1..7...6..2.8..9..3...954...3..3...4..4.....8.....7..6.1..2...5..3..9.. tarx0018,
↳tarek 2.5 *bb(2) r6c23 r4c7 r5c4
..4....9.1...3.7.6...2.....8...5..3..8...1.5...2.....4.7.3...1.9...7.6.. tarx0037,
↳tarek 7.0 SK *BB r46c5 r2c4 r8c6
1.....2.4...6...3...5.1.4..86.....49.8...2...5.7...3...6.9...4.....7 CloudyBay,
↳coloin 5.1 SK *BB r6c56 r4c8 r5c2
1.....2.2...6...34..5...8.5...8.3.9...9.4...5..34...7...1.6.....7 dukdiamond1,
↳coloin 3.2 SK *bb(2)r5c1289 r3c6 r7c4

```



Platinum Blonde:

```
.....12.....3..23..4....18....5.6..7.8.....9.....85.....9...4.5..47...6...  
↔PlatinumBlonde
```



## PERL VERSION OF SOLVER

---

**Note:** There is a memory leak in Perl/Tk, which causes X11/ibus daemon to become increasingly slower, if the program is restarted.

(See <http://stackoverflow.com/questions/14408521/perl-tk-memory-leak-when-using-destroy-command>).

---



## CLASSIFICATION

### 7.1 Single Sudoku Analysis

- `classify.py`

Generates basic analysis for sudoku. Output to `sudoku-base`.

```
classify.py --replace --document sudoku-base.sdk ...
```

- `csp-setup.sh`

generate CSP specification and satoku matrix for sudoku

```
csp-setup.sh sudoku.sdk ...
```

- `cdcl_check.sh`

output to `sudoku-base`

```
cdcl_check.sh sudoku-base.sdk ...
```

- `class-stats.sh`

Generate `hdp.csv` and dump it

```
class-stats.sh sudoku.sdk ..
```

- `clue-count.sh`

count the number of clues of the original sudoku

generates `sdfs.csv`

```
clue-count.sh sudoku.sdk ...
```

### 7.2 Sort

- `classify-level.sh`

divert `*-base.sdk` into level directories

```
classify-level.sh
```

### 7.3 Statistics

- `csp_check.sh`

check Satoku CSP results and prepare report

```
csp_check.sh | tee README-csp-check.txt
sda readme --format singlehtml README-csp-check.txt
sda make html
```

- `make-level-index.sh`

refresh index files for all level directories

```
make-level-index.sh # uses make-index.sh
```

- run `clue-count.sh` and insert result inside `index.html`.

WORLD'S HARDEST SUDOKU

8.1 Introduction

The Telegraph asks: World's hardest sudoku: can you crack it?:

8								
		3	6					
	7			9		2		
	5				7			
				4	5	7		
			1				3	
		1					6	8
		8	5				1	
	9					4		

A114473 (c) Aito Inkala www.aisudoku.com



The answer is: "Sure thing!" ...

If you expect Fruity Loops and Flip-Flop Chains in *Darth Vader* style (*I can kill you with a single thought!*), you will be disappointed. However, the method employed is not simple trial and error either.

The trial and error process usually offered for sudokus is a depth-first decision tree walk, which is as clueless as it gets. While the usual environment for abstract problems is in fact clueless, sudoku is nothing but all about the clues.

Therefore, a

- **breadth-first tree walk**<sup>1</sup> with

<sup>1</sup> I am well aware, that the algorithm presented is actually called *Iterative deepening depth-first search* (IDDFS). However, I wish to make a specific point. IMHO IDDFS is actually a misnomer, since it places emphasis on the depth-first part instead of the more important breadth-first component. Even the Wikipedia author seem to feel the need to expand on the breadth-first nature of IDDFS (emphasis added by me):

"IDDFS is *equivalent to breadth-first search*, but uses much less memory; on each iteration, it visits the nodes in the search tree in the same order as depth-first search, but the cumulative order in which nodes are **first visited** is *effectively breadth-first*."

- **lookahead level 1** and
- **restart**

is a much better choice. Especially, since the sudoku constraints are naturally very loopy and new facts often change the results of previous tests.

Although the depth of the search never exceeds 2 decision levels in this example, it does not mean that it is not a lot of work.

The method is designed to work well with computer assisted solver programs. The program should have bookmarks, but if not, saving positions in files will do (you never need more than 2 files, unless there is no good undo function, then you will need 3 files).

## 8.2 Notation

Each chain state is denoted by a marker:

- **STA** Status
- **INC** Inconclusive
- **HYP** Hypothesis
- **DIS** Disproof
- **PRF** Proof

Sudoku cells are denoted as *<column letter><row number>* (just as with spreadsheets. Or chess, if you wish).

A statement about the allowed values of a sudoku cell is made by enumerating the values:

*<statement> =def= <cell>: <value1>,<value2>,...*

E.g. A2: 4,9,3 is read as:

The cell A2 can hold the values 4, 9 and 3.

Special statements are used to emphasize disproof, proof or inconclusivity:

- **CTR** stands for a contradiction, which disproves the last hypothesis.
- **SOL** stands for a solution, which proves the entire hypothesis/fact chain
- **UNS** stands for no further clues

Several statements are concatenated with the operator +:

*<statements> =def= <statement1> + <statement2> + ..*

E.g. A2: 4,9 + B5: 1,6 is read as:

The cell A2 can hold the values 4 and 9, **and** the cell B5 can hold the values 1 and 6.

A hypothetical statement is marked with # and introduces a new level of reasoning based on all previous statements and hypotheses:

*<hypothesis> =def= # <statement>*

E.g. # A2: 7,8 is read as:

Assuming that A2 allows the values 7 and 8.

The hypothesis/statement (HS) chain # C3: 6 + B7: 9 # A2: 7,8 is read as:

In the context of the assumption that C3 must have the value 6 and the proven fact that B7 must have the value 9 in this context, the assumption is made that A2 can (only) hold the values 7 and 8.

A conclusion from a HS chain is denoted by ==>:

*<hs-chain> ==> <statements>*



This defines a Hypothesis/Disproof/Proof chain (HDP chain)

## 8.3 Method

Let me say beforehand, that I never use anything more advanced than single/double column and naked/hidden pair/triple/quad checks (no X-Wing, Swordfish, XY-Wing, XYZ-Wing, never ever a XY-Chain). In fact, the example solution was found in this way.

The special feature of this method lies in the structure of the binary decisions. The rest is just following a (tediously exhausting) process without giving in to the desire of finding a shortcut (there is none!). So, here goes ...

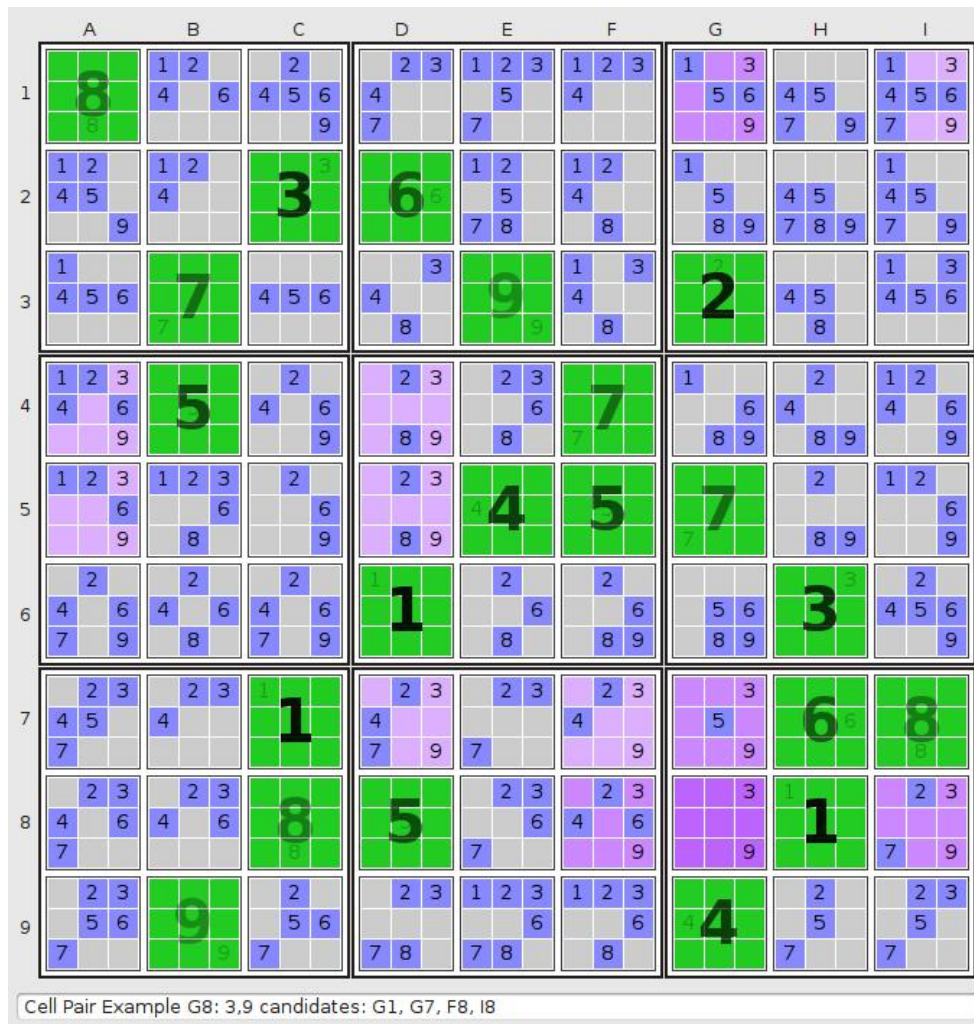
- All hypotheses are formed based on strictly binary decisions. Therefore, a contradiction in one branch always proves the other branch.
- A new hypothesis (**increased depth**) is only formed after an exhaustive search and test of all possible binary decisions (**breadth-first, lookahead 1**) within the same level.
- If a hypothesis is proved or disproved, all previously examined decisions are re-examined (**restart**).
- Both alternatives of a possible decision are **always** examined. If the alternative leads to a contradiction, an unsolved branch is still proved. This reduces the depth of the HDP chain, which is highly desirable.

Branch1	Branch2	Action
SOLVED	???	finish. The solution proves the correctness of the current HDP chain
???	SOLVED	finish. The solution proves the correctness of the current HDP chain
UN-SOLVED	UN-SOLVED	no action (resist the temptation to follow one of the branches further!)
CTR	UN-SOLVED	terminate current level and use branch 2 as a new proven fact in the HPD chain
UN-SOLVED	CTR	terminate current level and use branch 1 as a new proven fact in the HPD chain
CTR	CTR	terminate current and previous and evaluate the contradiction in the context of the new current level

### 8.3.1 Cell Pair Reduction

Since this is the main method for solving a sudoku, the unqualified term *pair reduction* always refers to *cell pair reduction*.

- find all cells allowing exactly two values (pairs)
- for each pair: identify all cells (reduction candidates) within each constraint (block,row,column) which also contain the values of the pair
- for each pair + reduction candidate: examine the consequences of each alternative by solving the sudoku in the normal manner:
  - pair + reduction candidate becomes a strongly linked pair (both cells contain the same values)
  - pair + reduction candidate do not share any values



8.3.1.1 Cell Pair Example G8: 3,9 candidates: G1, G7, F8, I8

8.3.1.2 Cell Pair Example Alternative 1: G8: 3,9 # G1: 3,9

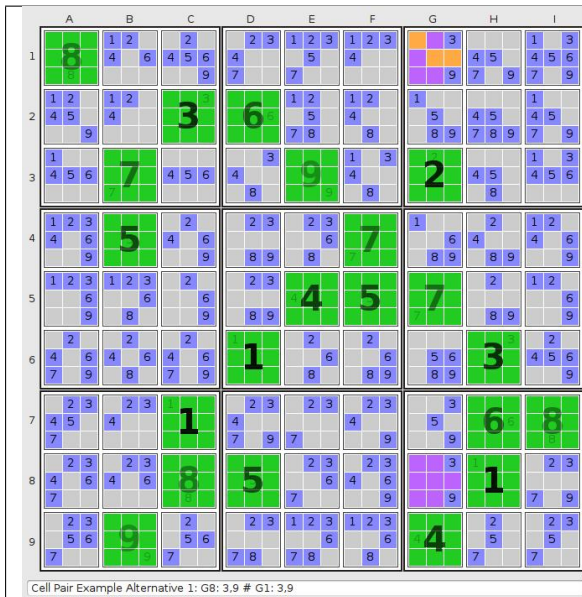


Fig. 1: Cell Pair Example Alternative 1: G8: 3,9 # G1: 3,9

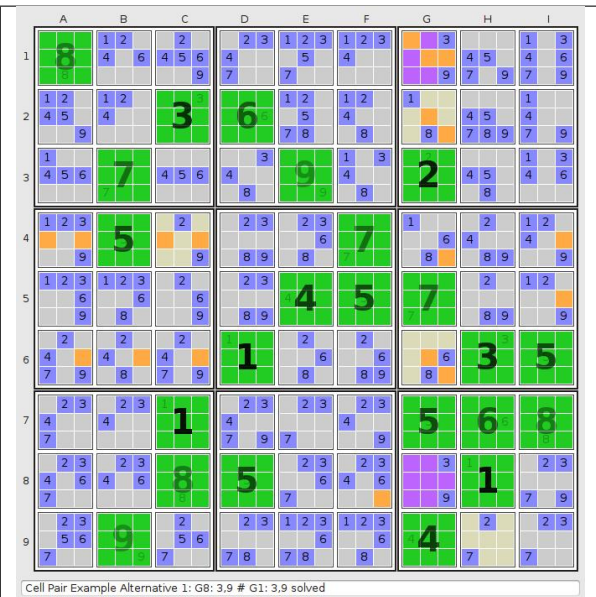


Fig. 2: Cell Pair Example Alternative 1: G8: 3,9 # G1: 3,9 solved

8.3.1.3 Cell Pair Example Alternative 2: G8: 3,9 # G1: 1,5,6

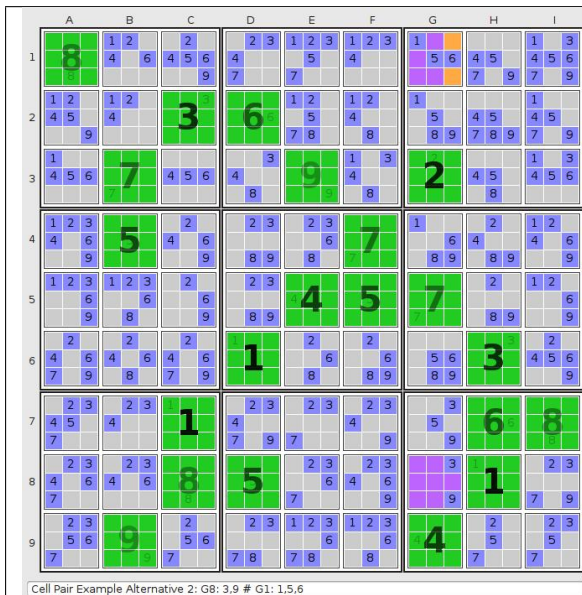


Fig. 3: Cell Pair Example Alternative 2: G8: 3,9 # G1: 1,5,6

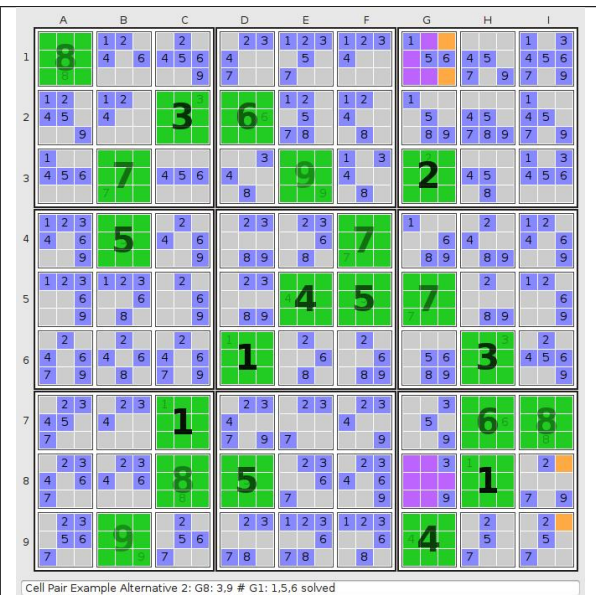


Fig. 4: Cell Pair Example Alternative 2: G8: 3,9 # G1: 1,5,6 solved

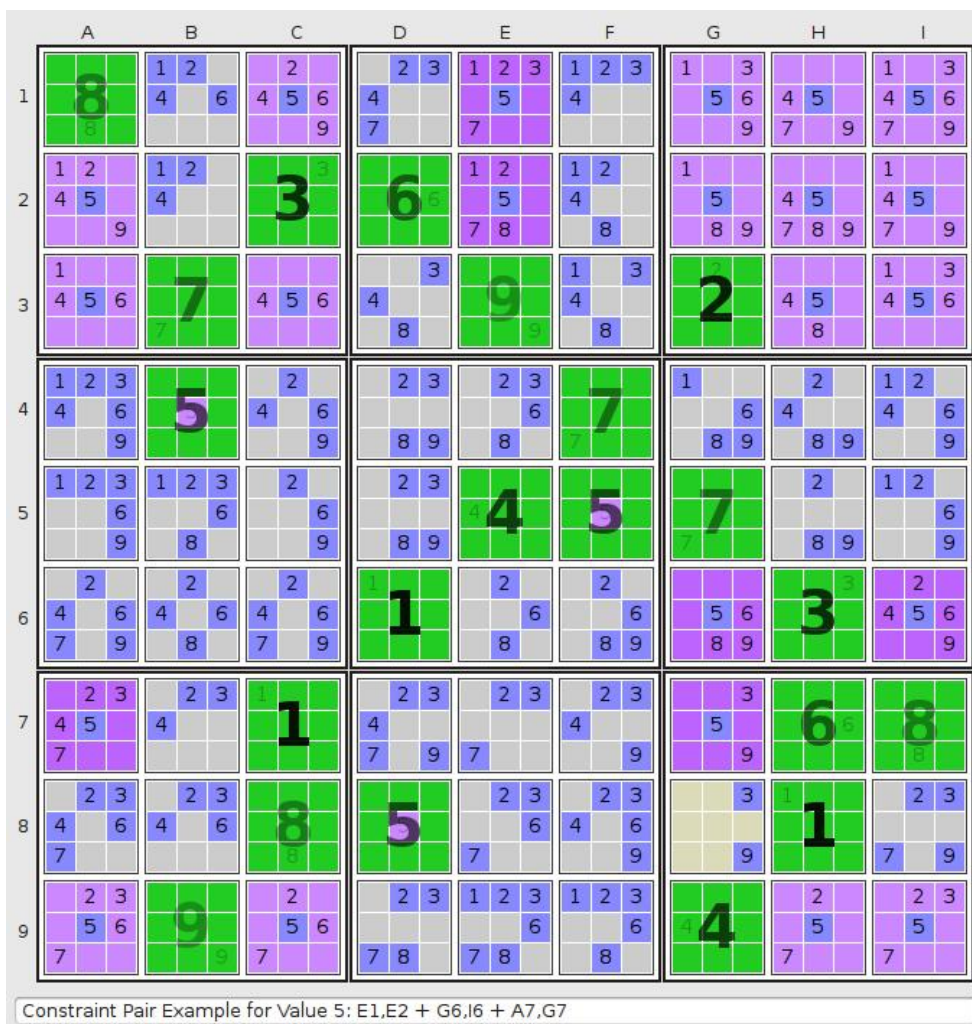
8.3.2 Constraint Pair Reduction

If there are no cell pairs:



- find all cells within a constraint which allow for a specific value.
- If the number of cells is exactly two (constraint value pair), use the same binary decision method as for cell pair reduction.

### 8.3.2.1 Constraint Pair Example for Value 5: E1,E2 + G6,I6 + A7,G7



### 8.3.3 Fun Effects

The design of the pair reduction algorithm aims to reduce a sudoku to cells which only contain single values or pairs. So it is no surprise, that this eventually succeeds.

Here is a full reduction from the sudoku:

```
.....3..1..9.6..5..8.4.....9...8...867.....1...2....6..7.2..3.8..5..4.....8
```

The pair chain produces a contradiction for both branches.

### 8.3.4 Bread-First vs. Depth-First

Based on the following simplified decision tree, note that eliminating *C4: 1,5,6,8* causes *B5: 3,5,9* to detect a contradiction immediately instead of during resolution of hypothesis *I6: 5,9*.

Doing a depth-first walk delivers the following HDP chain:

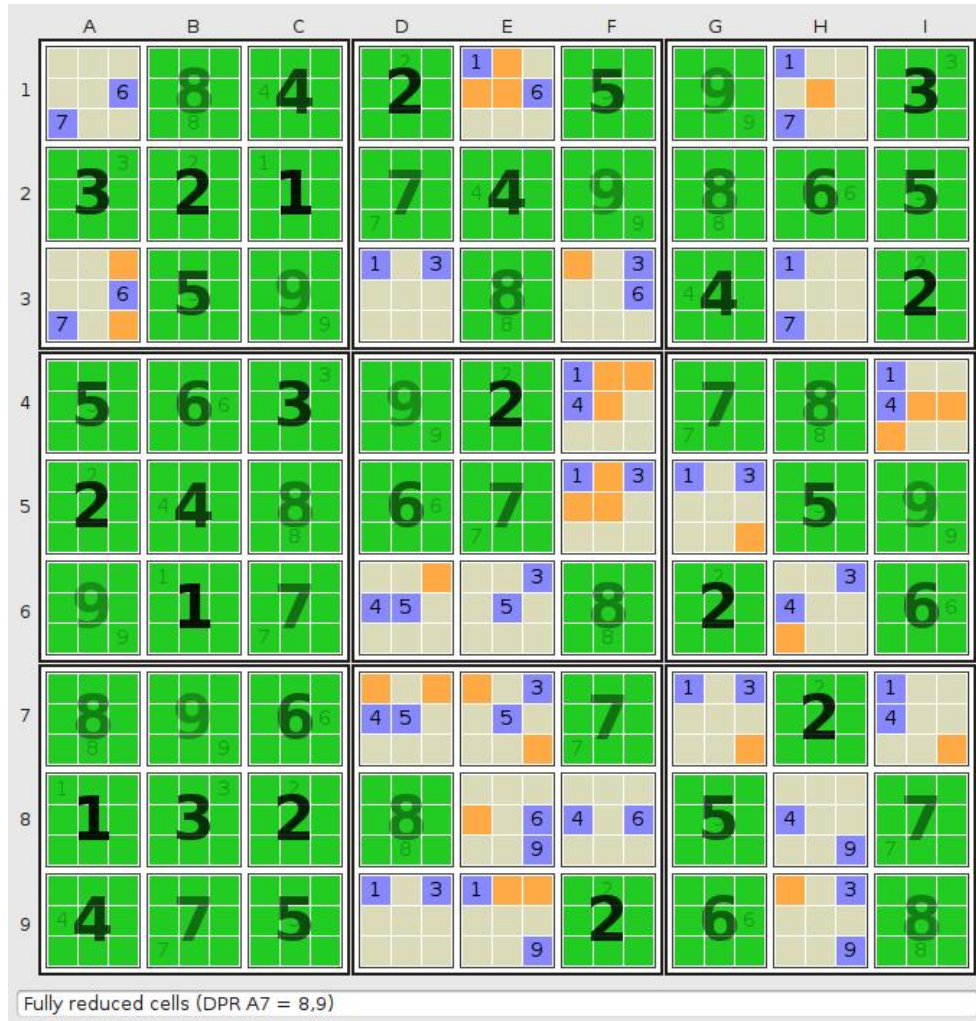


Fig. 5: Fully reduced cells (DPR A7 = 8,9)

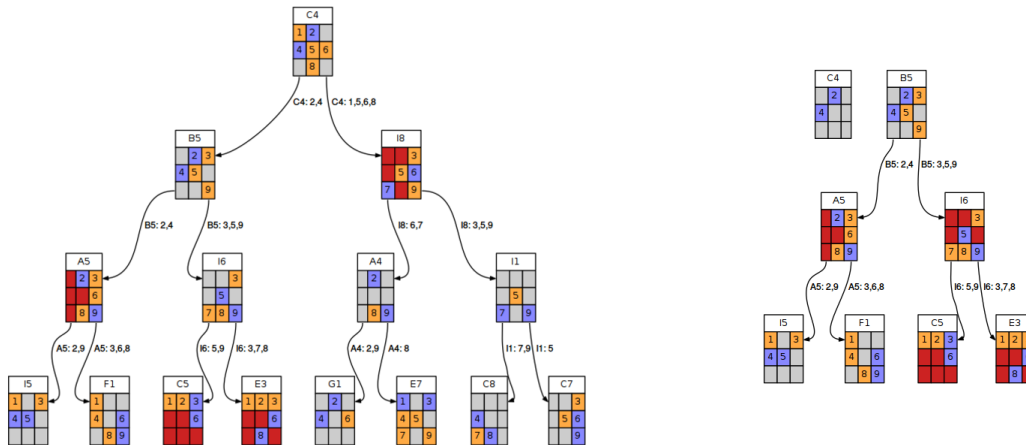
```

INC # C4: 2,4
DIS # C4: 2,4 # B5: 2,4 => CTR => B5: 3,5,9
DIS # C4: 2,4 + B5: 3,5,9 # I6: 5,9 => CTR => I6: 3,7,8
DIS # C4: 2,4 + B5: 3,5,9 + I6: 3,7,8 => CTR => C4: 1,5,6,8
DIS C4: 1,5,6,8 => CTR
    
```

While a breadth-first walk delivers the following HDP chain:

```

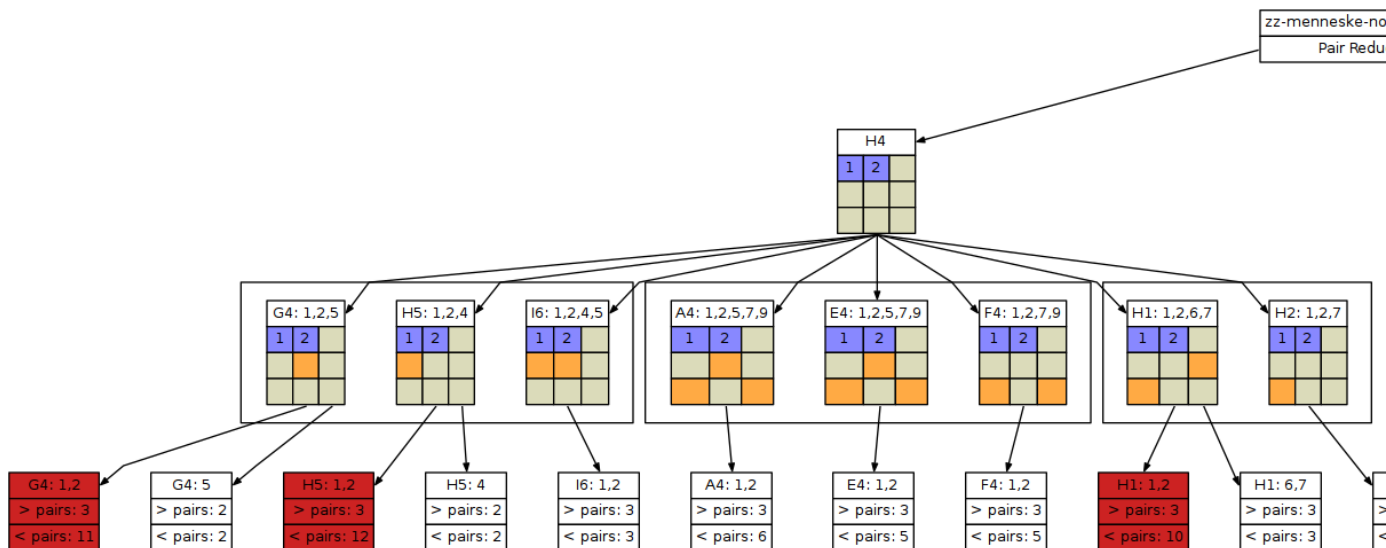
INC # C4: 2,4
DIS # C4: 1,5,6,8 => CTR => C4: 2,4
DIS C4: 2,4 # B5: 2,4 => CTR => B5: 3,5,9
DIS C4: 2,4 + B5: 3,5,9 => CTR
    
```



The scenario is not uncommon, since sudokus have a single solution, which necessarily causes many contradictions in the decision tree.

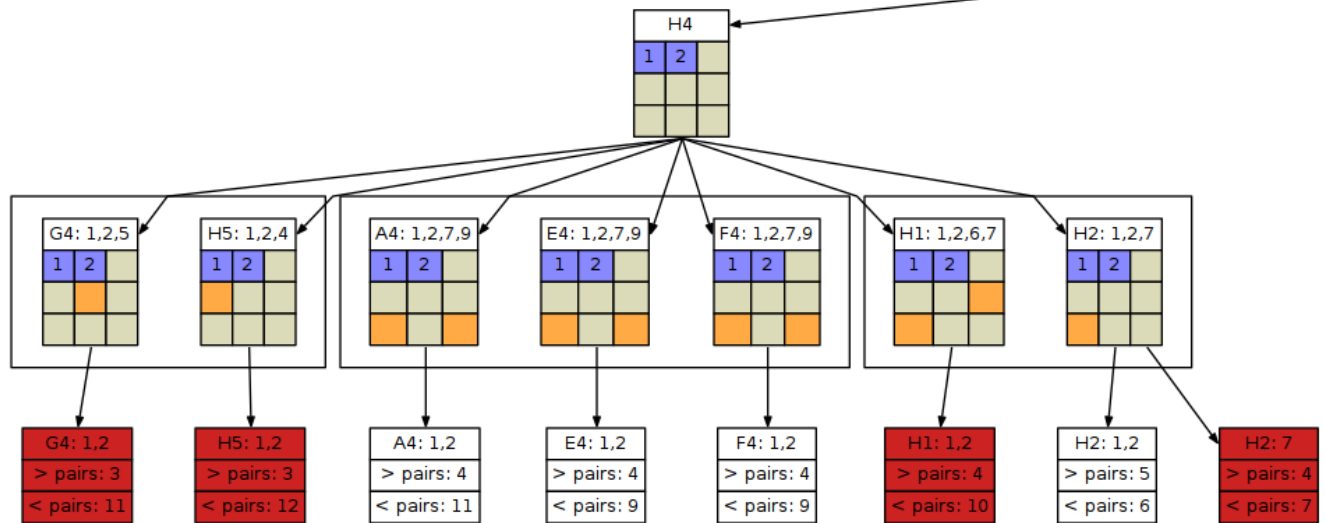
This sudoku from [menneske.no](http://menneske.no) is a good example, where the benefit of staying on the same level can be seen directly.

The reduction pair analysis does not find a solution, since it only evaluates a hypothesis in itself. It does not propagate the consequences from a contradiction in the branches.



However, when the consequences of the contradictions are propagated, a new pair  $C1: 2,7$  is detected, which is used in the hypothesis  $C1: 2,7 \# B2: 2,7$  to reveal the solution:

Another advantage of doing a breadth-first walk lies in the possibility of information gathering. For each unsolved decision branch, the number of resulting pairs can be recorded. If all checks reveal no further immediate contra-



ditions, a hypothesis must be formed. In that case it is usually (but not necessarily) advantageous to choose the decision branch resulting in most pairs.

If one branch results in 5 pairs and another branch results in 19 pairs, it is definitely good to check the 19-pair branch first.

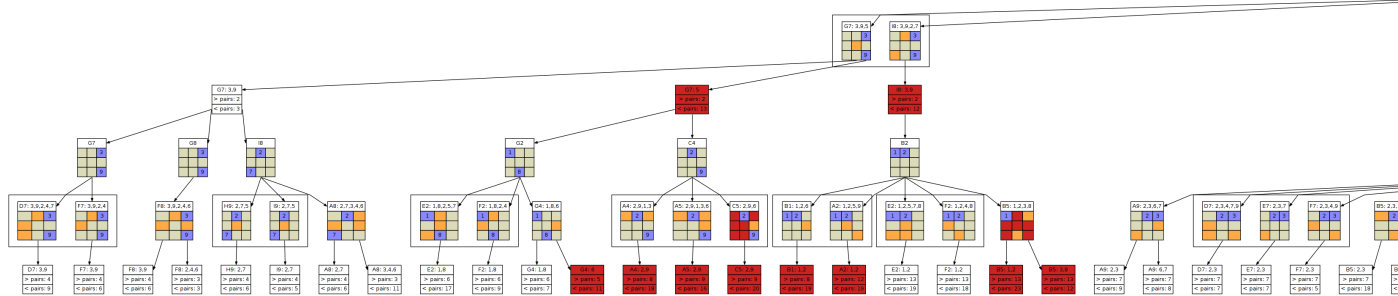
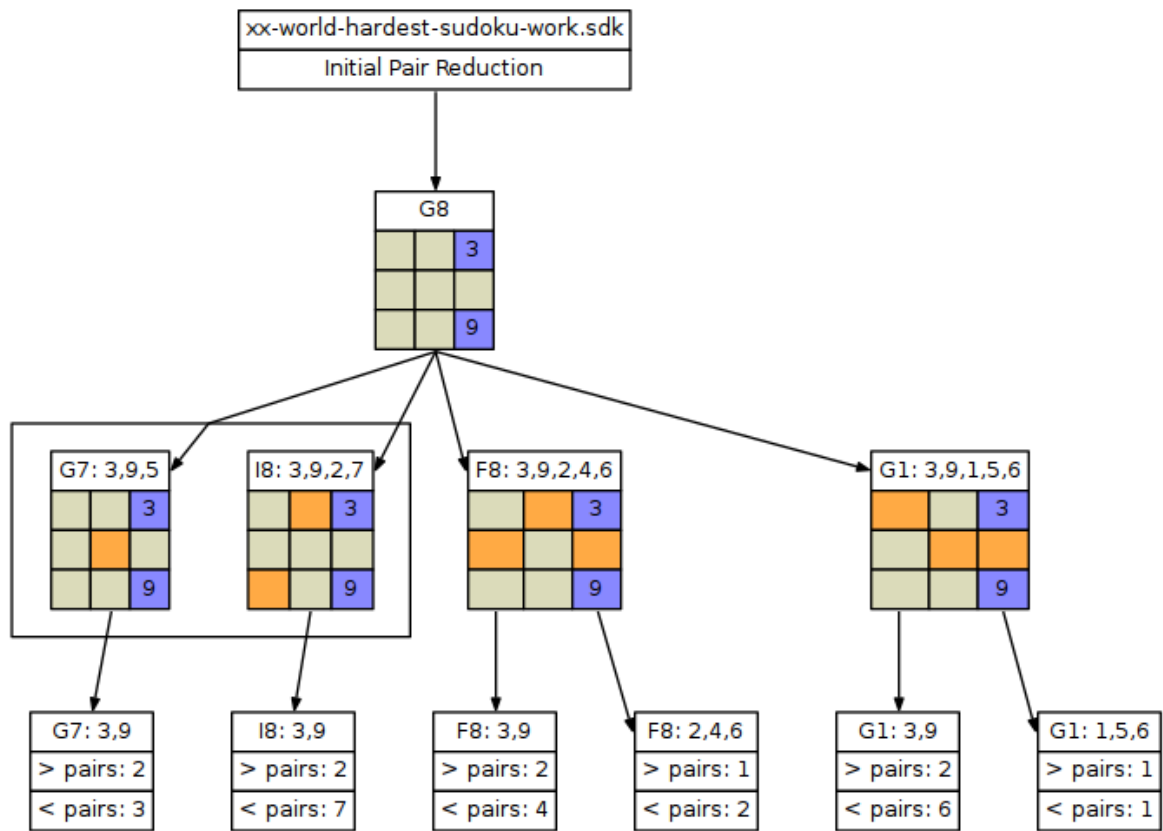
Here is the pair reduction analysis of the *World's Hardest Sudoku*:

```
# * PAIR REDUCTION ..
# * LEVEL 0 PASS 1 ROUND 1 (AUTO SOLVE) (G8)
# * 8.....36.....7..9.2...5...7.....457.....1...3...1...68..85...1..9....4..
# * PAIR G8: 3,9 BLK 9
# G7: 3,9,5 # reduction candidate for 3,9
# G7: 3,9 # 3 pairs
# I8: 3,9,2,7 # reduction candidate for 3,9
# I8: 3,9 # 7 pairs
# * PAIR G8: 3,9 ROW 8
# F8: 3,9,2,4,6 # reduction candidate for 3,9
# F8: 3,9 # 4 pairs
# F8: 2,4,6 # 2 pairs
# * PAIR G8: 3,9 COL G
# G1: 3,9,1,5,6 # reduction candidate for 3,9
# G1: 3,9 # 6 pairs
# G1: 1,5,6 # 1 pairs
# * UNSOLVED!
```

The decision graph for the first level does not look very promising:

However the actual pair reduction that leads to the solution does not exceed level 2 and gives a much better picture:

**Note:** The fact that sometimes more than one value is allowed/disallowed in a decision branch has nothing to do with the binary nature of the decision. I have a hard time understanding the necessity to consider only single values, which seems to be some sort of quality criterium for certain people. The strictness of a binary decision does not go away, just because more than one possible value is considered. I also do not find it harder to follow the consequences of multiple values than following the consequences of a single value.





## 8.4 Hypothesis/Disproof/Proof Chain

The following hypothesis/disproof/proof chain leads to the solution:

```

- STA Original Sudoku
- HYP # I8: 3,9
- DIS # I8: 3,9 # B1: 1,2 => CTR => B1: 6
- DIS # I8: 3,9 # B1: 1,2 => CTR => B1: 6
- STA # I8: 3,9 + B1: 6
- DIS # I8: 3,9 + B1: 6 # A2: 1,2 => CTR => A2: 5,9
- STA # I8: 3,9 + B1: 6 + A2: 5,9
- DIS # I8: 3,9 + B1: 6 + A2: 5,9 # B5: 1,2 => CTR => B5: 3,8
- STA I8: 2,7
- HYP I8: 2,7 # G7: 5
- DIS I8: 2,7 # G7: 5 # G4: 6 => CTR => G4: 1,8
- STA I8: 2,7 # G7: 5 + G4: 1,8
- DIS I8: 2,7 # G7: 5 + G4: 1,8 # C5: 2,9 => CTR => C5: 6
- STA I8: 2,7 # G7: 5 + G4: 1,8 + C5: 6
- DIS I8: 2,7 # G7: 5 + G4: 1,8 + C5: 6 # H3: 4,5 => CTR => H3: 8
- DIS I8: 2,7 # G7: 5 + G4: 1,8 + C5: 6 + H3: 8 => CTR => G7: 3,9
- STA I8: 2,7 + G7: 3,9
- HYP I8: 2,7 + G7: 3,9 # A8: 3,4,6
- DIS I8: 2,7 + G7: 3,9 # A8: 3,4,6 # A9: 3 => CTR => A9: 6,7
- STA I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7
- DIS I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7 # D7: 2,7 => CTR => D7: 4,9
- PRF I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7 + D7: 4,9 => SOL
- STA I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7 + D7: 4,9

```

Section *HDP Chain Illustrations* shows Screenshots for all the stages.

I have since automated this algorithm in a first crude manner to allow for automatic classification of hardness. In its current completely unoptimized form, the program comes back with this chain of reasoning (see [Analysis of xx-worlds-hardest-sudoku-work.sdk](#) for automated result):

```

DIS # I8: 3,9 # B1: 1,2 => CTR => B1: 6
DIS # I8: 3,9 + B1: 6 # A2: 1,2 => CTR => A2: 5,9
DIS # I8: 3,9 + B1: 6 + A2: 5,9 # B5: 1,2 => CTR => B5: 3,8
DIS # I8: 3,9 + B1: 6 + A2: 5,9 + B5: 3,8 => CTR => I8: 2,7
DIS I8: 2,7 # G7: 5 # G4: 6 => CTR => G4: 1,8
DIS I8: 2,7 # G7: 5 + G4: 1,8 # A4: 2,9 => CTR => A4: 1,3
DIS I8: 2,7 # G7: 5 + G4: 1,8 + A4: 1,3 # A5: 2,9 => CTR => A5: 1,3,6
DIS I8: 2,7 # G7: 5 + G4: 1,8 + A4: 1,3 + A5: 1,3,6 # C5: 2,9 => CTR => C5: 6
DIS I8: 2,7 # G7: 5 + G4: 1,8 + A4: 1,3 + A5: 1,3,6 + C5: 6 => CTR => G7: 3,9
DIS I8: 2,7 + G7: 3,9 # F8: 3,9 # E9: 2,6 => CTR => E9: 1,3,8
DIS I8: 2,7 + G7: 3,9 # F8: 3,9 + E9: 1,3,8 # F9: 2,6 => CTR => F9: 1,3,8
DIS I8: 2,7 + G7: 3,9 # F8: 3,9 + E9: 1,3,8 + F9: 1,3,8 # F7: 3,9 => CTR => F7: 2,4
DIS I8: 2,7 + G7: 3,9 # F8: 3,9 + E9: 1,3,8 + F9: 1,3,8 + F7: 2,4 # A8: 4 => CTR => A8: 2,7
DIS I8: 2,7 + G7: 3,9 # F8: 3,9 + E9: 1,3,8 + F9: 1,3,8 + F7: 2,4 + A8: 2,7 # B1: 1,2 => CTR
↪=> B1: 6
DIS I8: 2,7 + G7: 3,9 # F8: 3,9 + E9: 1,3,8 + F9: 1,3,8 + F7: 2,4 + A8: 2,7 + B1: 6 => CTR =>
↪F8: 2,4,6
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 # B8: 2,4 => CTR => B8: 3,6
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 # B6: 2,4 => CTR => B6: 6,8
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 # D7: 2,4 => CTR => D7: 7,9
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 + D7: 7,9 # F7: 9 => CTR => F7: 2,4
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 + D7: 7,9 + F7: 2,4 # B1: 2,4 => CTR =>
↪B1: 1,6
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 + D7: 7,9 + F7: 2,4 + B1: 1,6 # A8: 3,6,
↪7 => CTR => A8: 2,4
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 + D7: 7,9 + F7: 2,4 + B1: 1,6 + A8: 2,4
↪# A2: 2,4 => CTR => A2: 9
DIS I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 + D7: 7,9 + F7: 2,4 + B1: 1,6 + A8: 2,4
↪+ A2: 9 # E1: 2,3 => CTR => E1: 5
PRF I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 + D7: 7,9 + F7: 2,4 + B1: 1,6 + A8: 2,4
↪+ A2: 9 + E1: 5 => SOL
STA I8: 2,7 + G7: 3,9 + F8: 2,4,6 + B8: 3,6 + B6: 6,8 + D7: 7,9 + F7: 2,4 + B1: 1,6 + A8: 2,4
↪+ A2: 9 + E1: 5

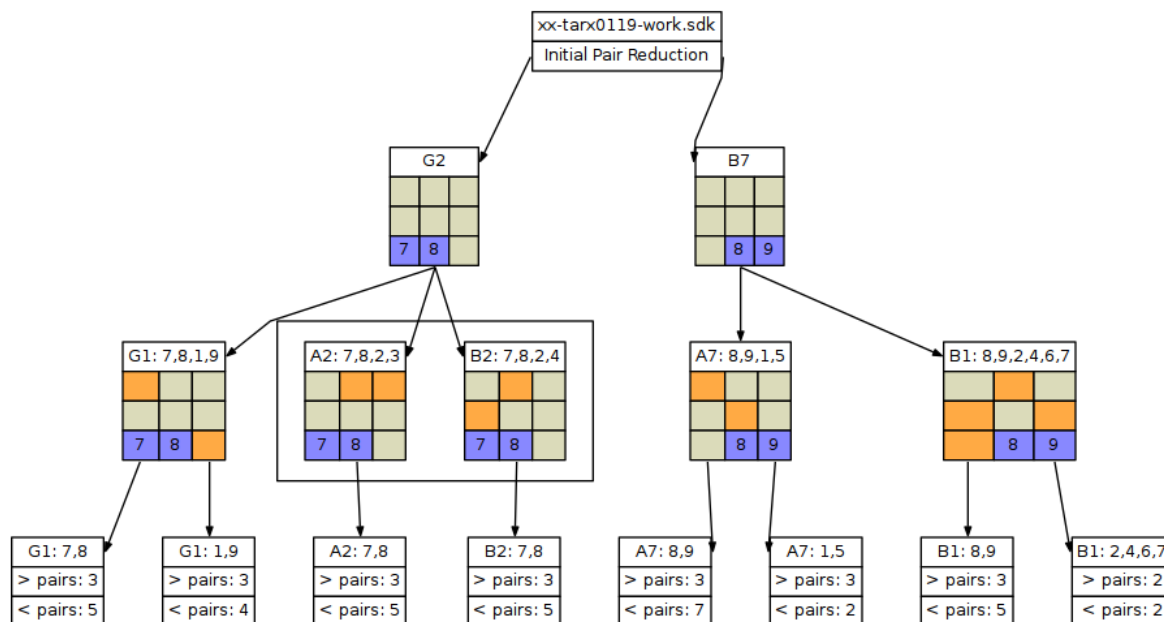
```

The level index of analyzed sudokus lists some sudokus that I have collected and run through my research tool.

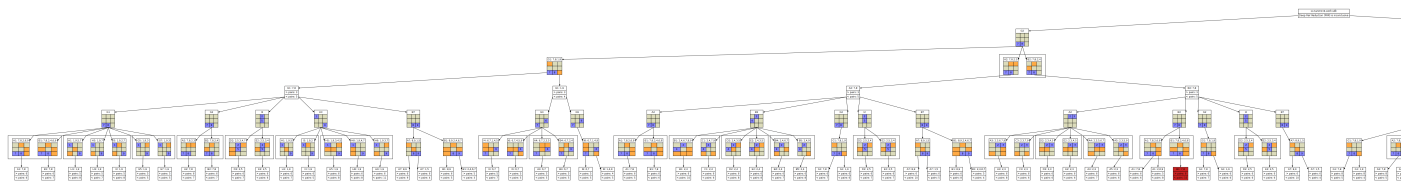
## 8.5 Harder Than Your Husband ...

So, the *World's Hardest Sudoku* does not seem so hard after all. And in the context of this algorithm it actually isn't. I have found some *harder puzzles*, of which *tarx0119* is the hardest so far.

The initial pair reduction analysis is pretty meager:



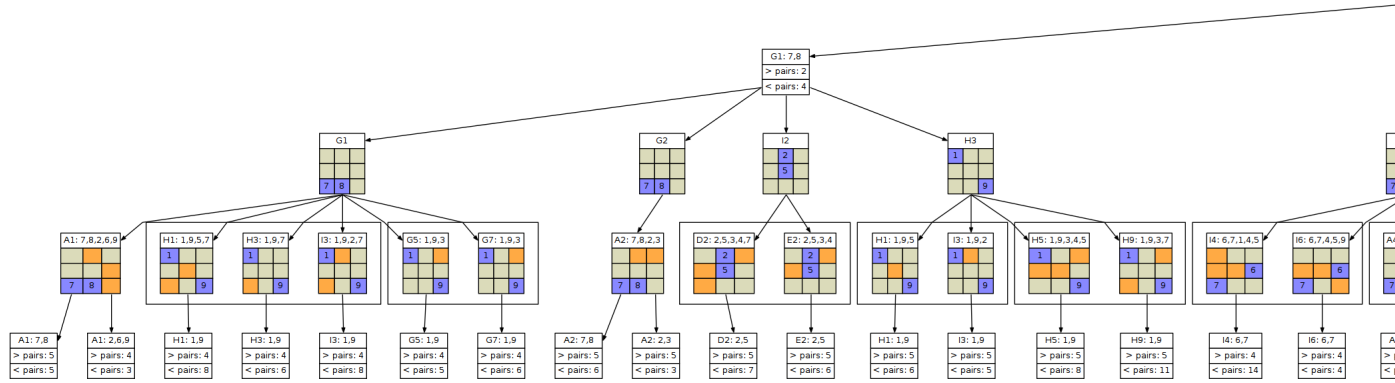
Here is an actual 2-level pair reduction analysis for the sudoku *tarx0119*:

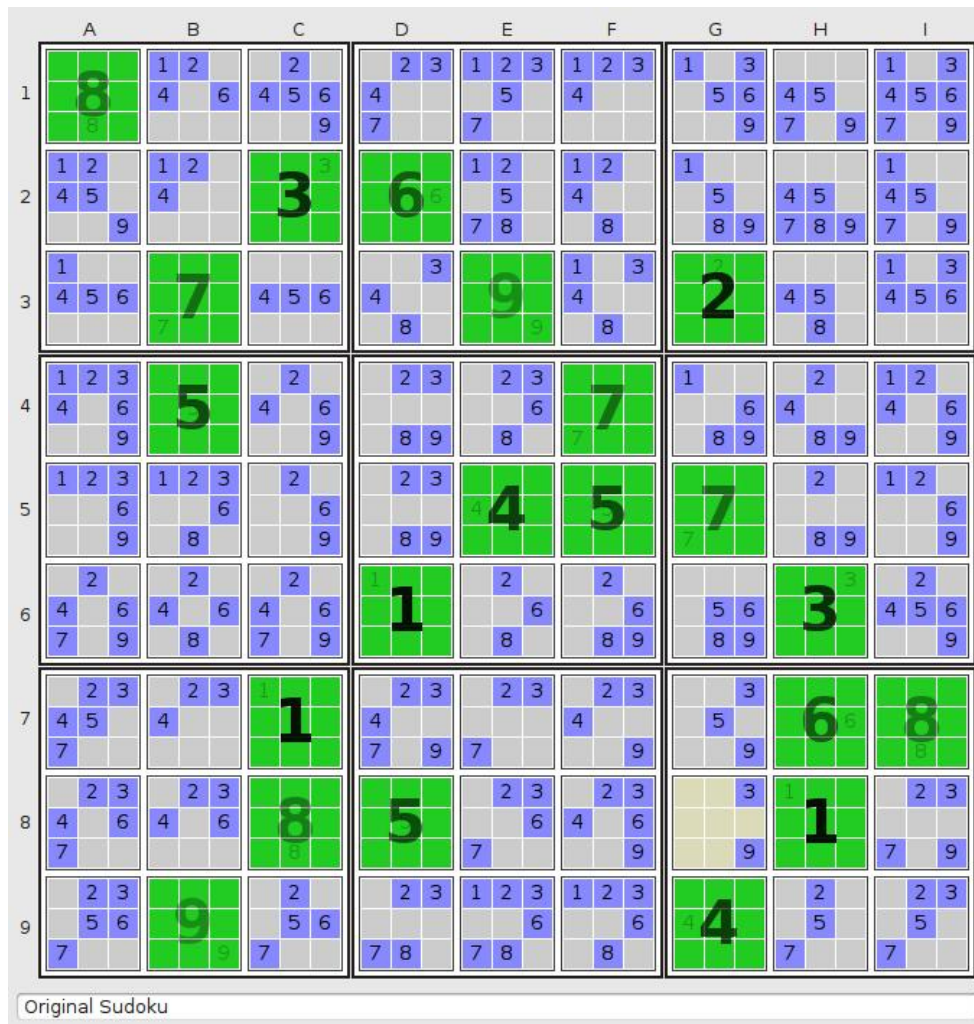


This sudoku requires 1 level of constraint pair reduction and 2 levels of cell pair reduction to be solved. Here is the initial disproof of hypothesis # A7: 8:



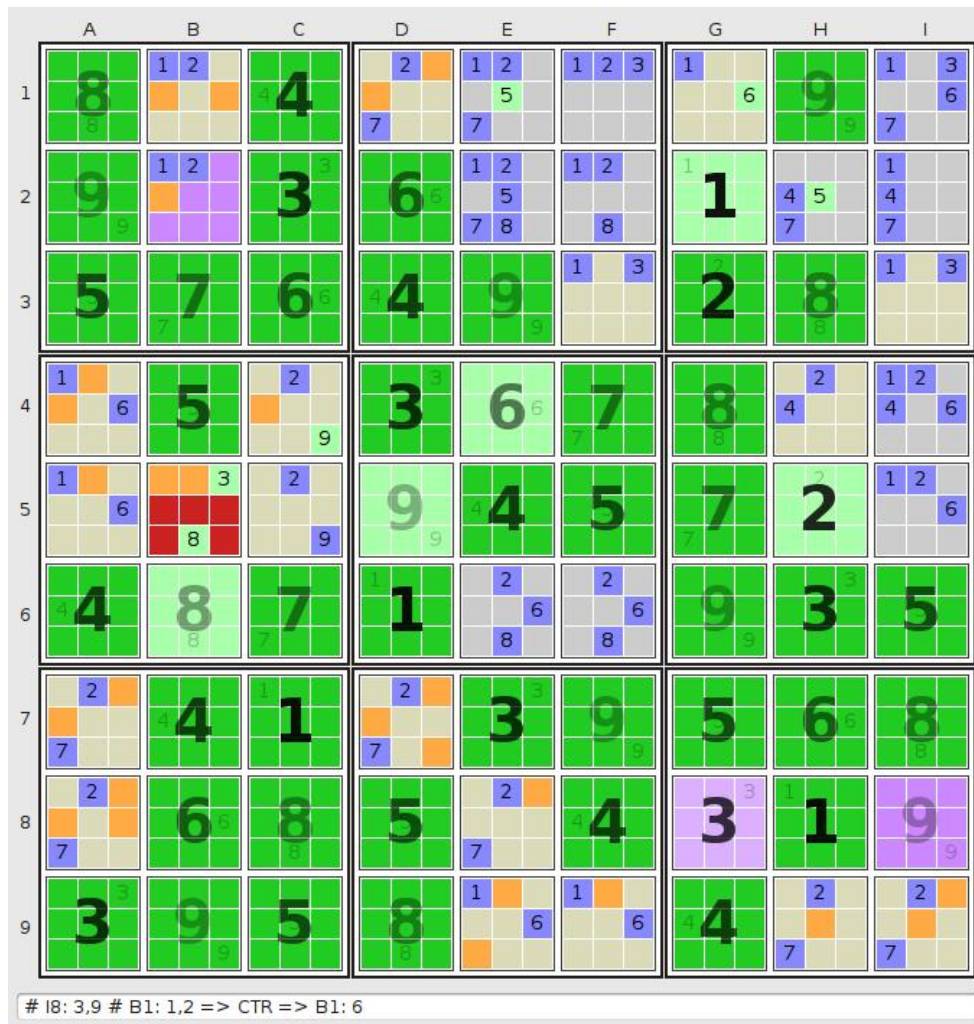
After the clue *B7: 8* is detected, the full resolution only requires 2 levels of cell pair reduction. Although there is still only the same lonely pair available and only one additional clue is detected, the 2-level decision chain presents itself very differently and is now actually quite simple:

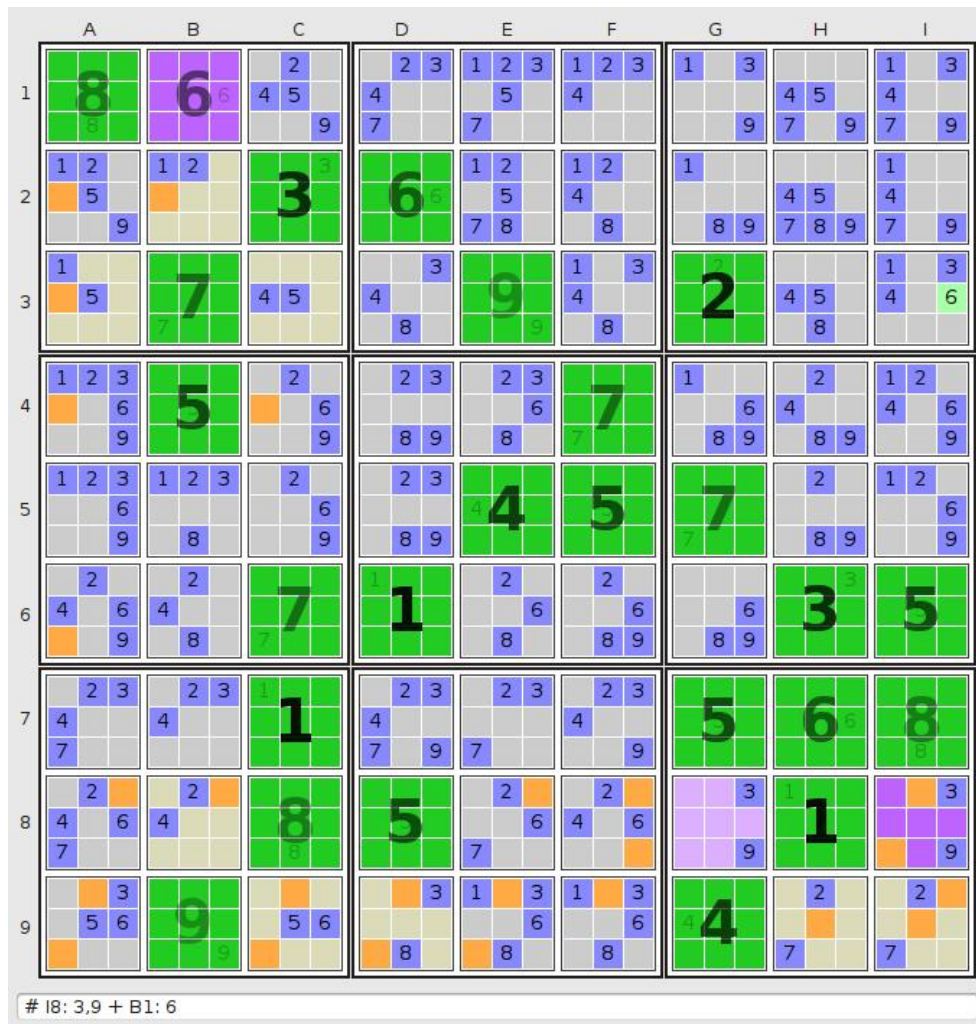


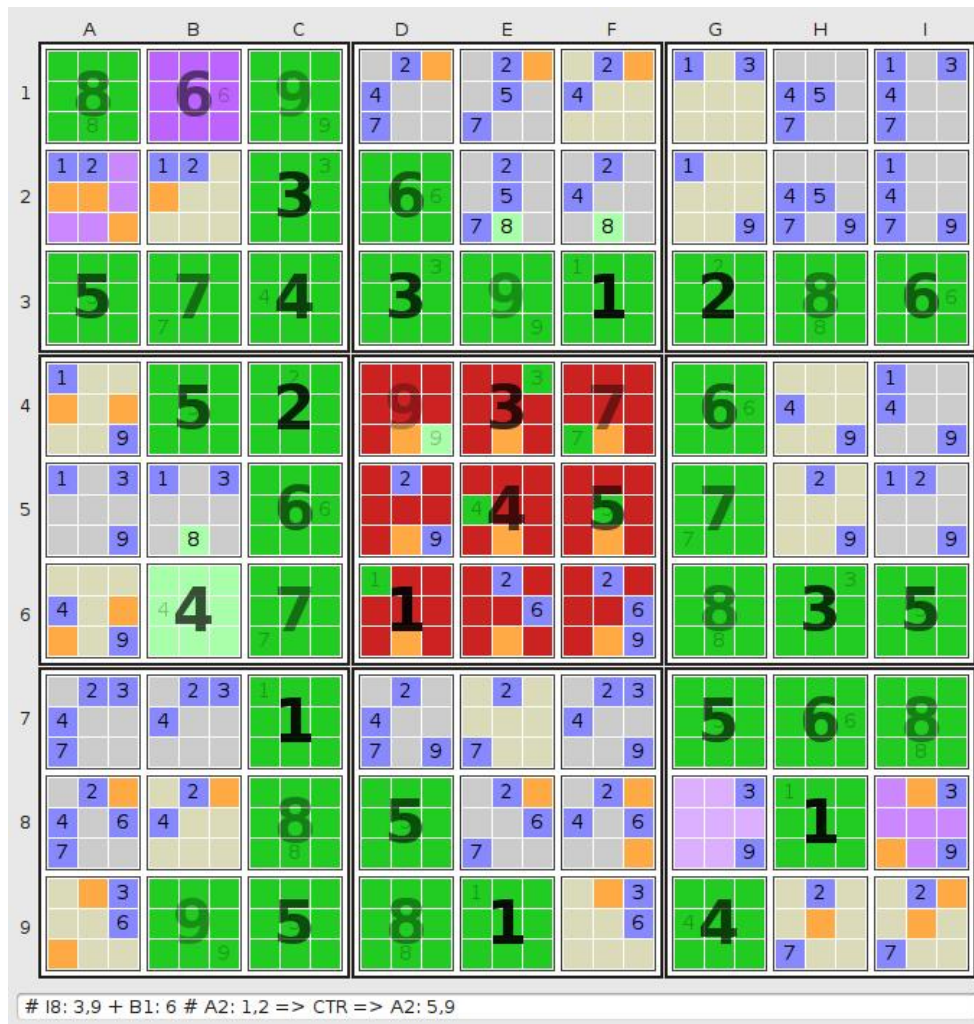




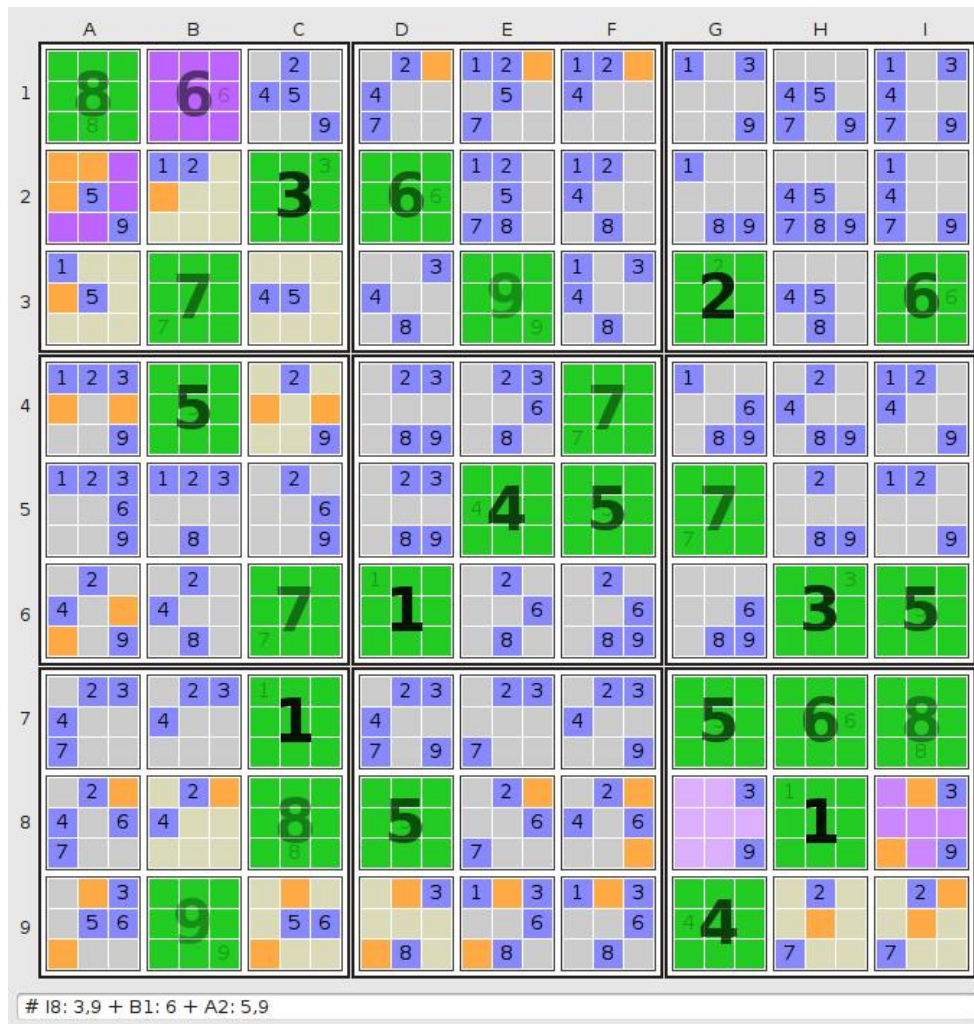


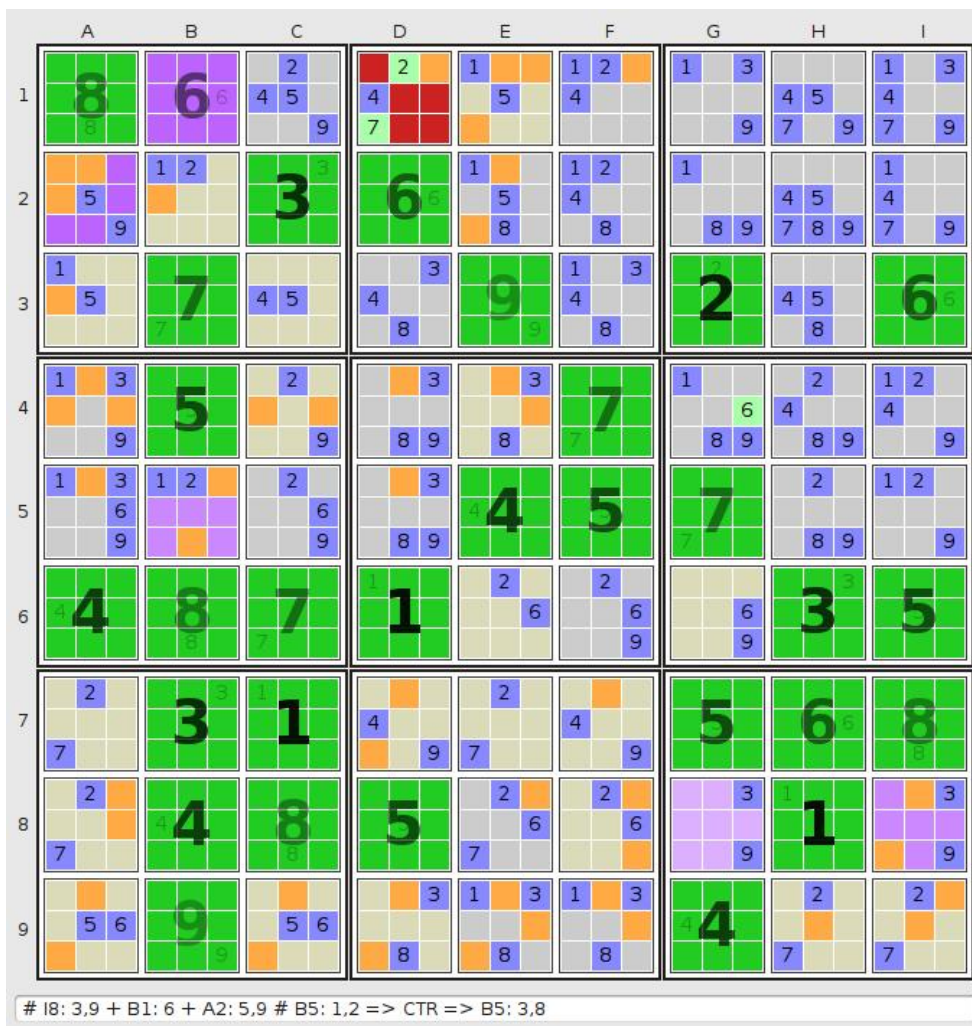


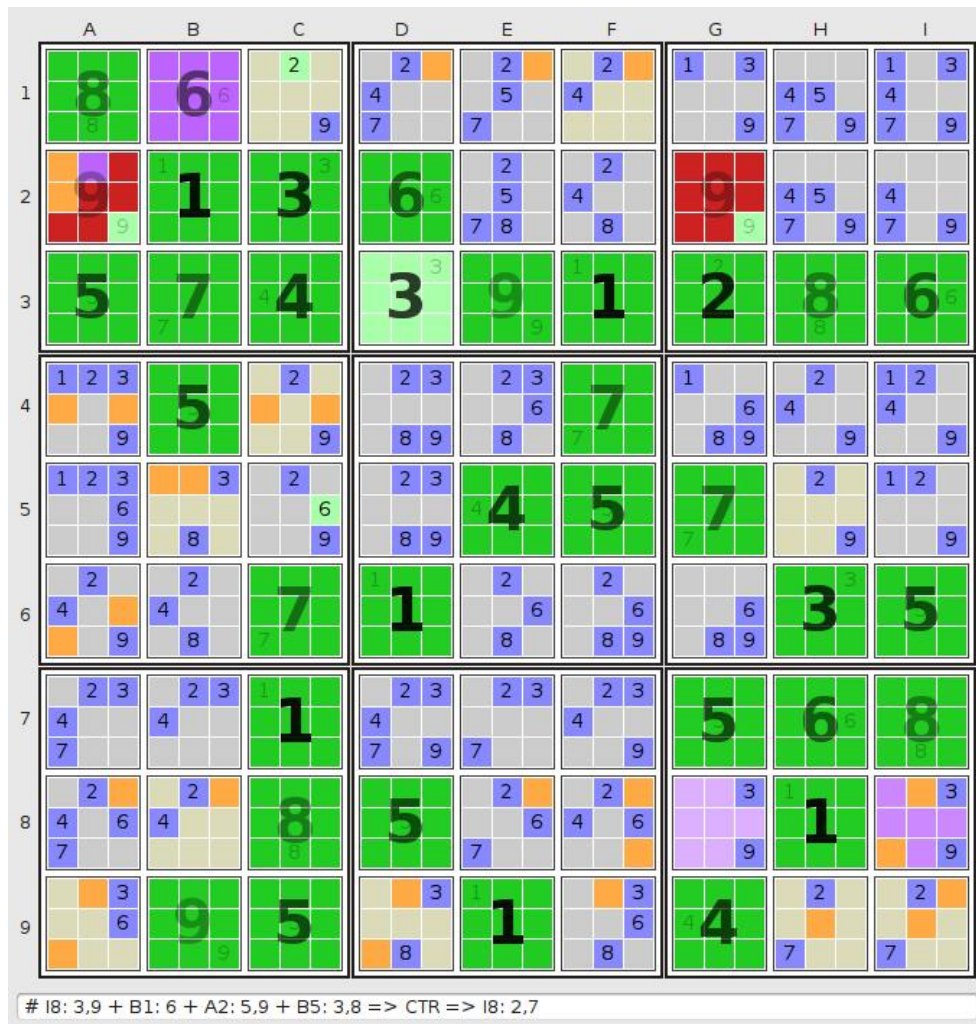


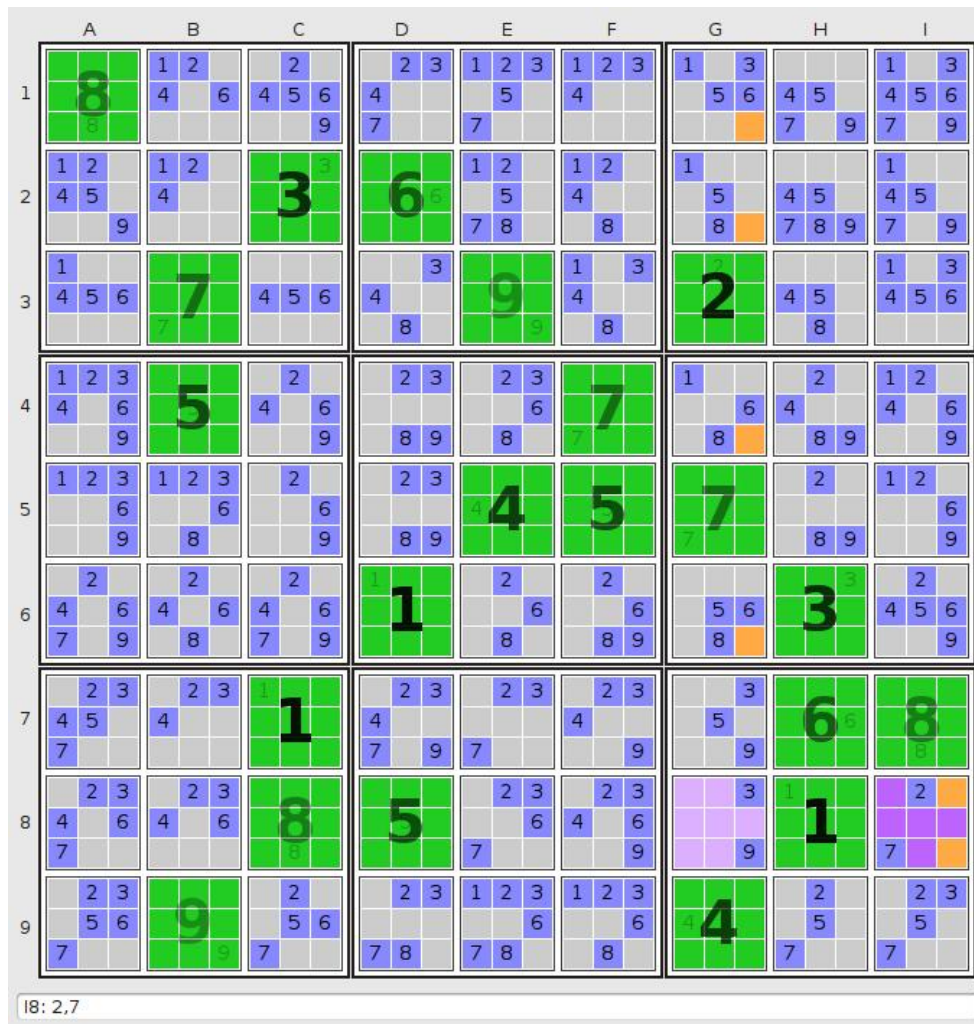




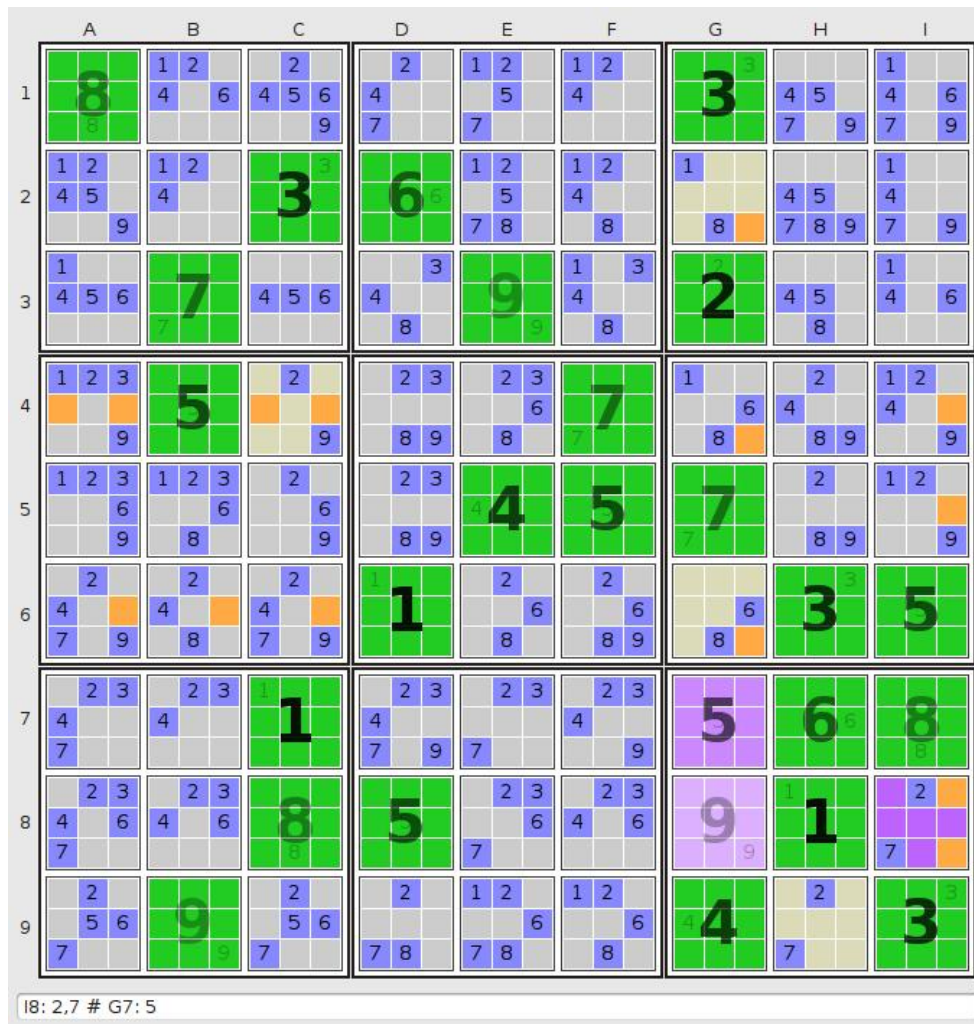


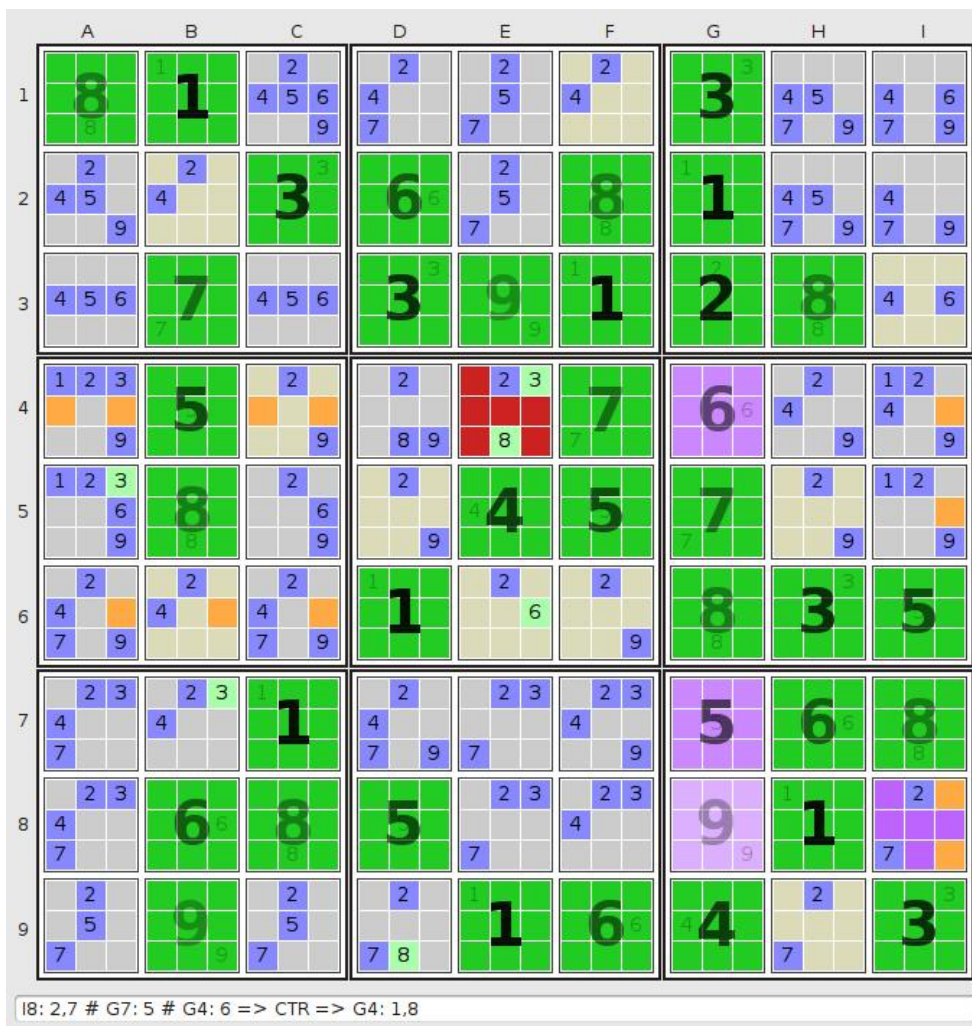


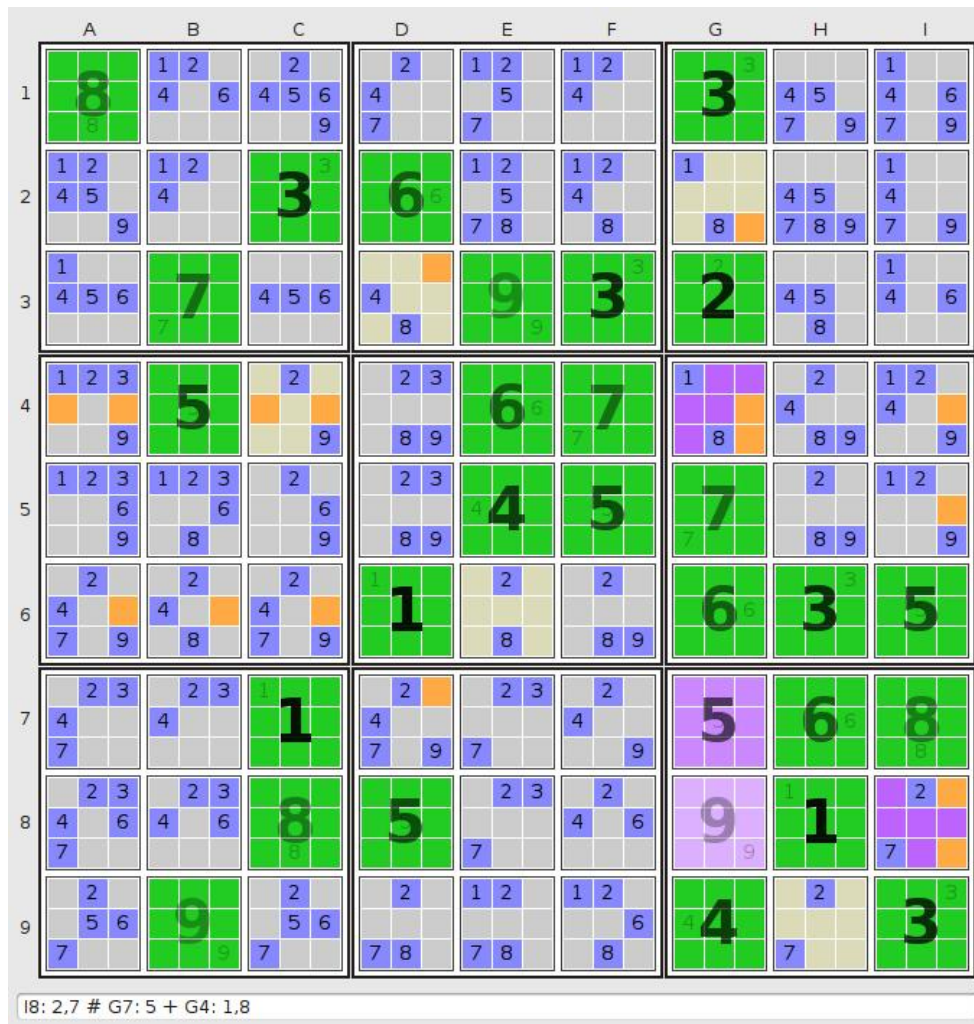


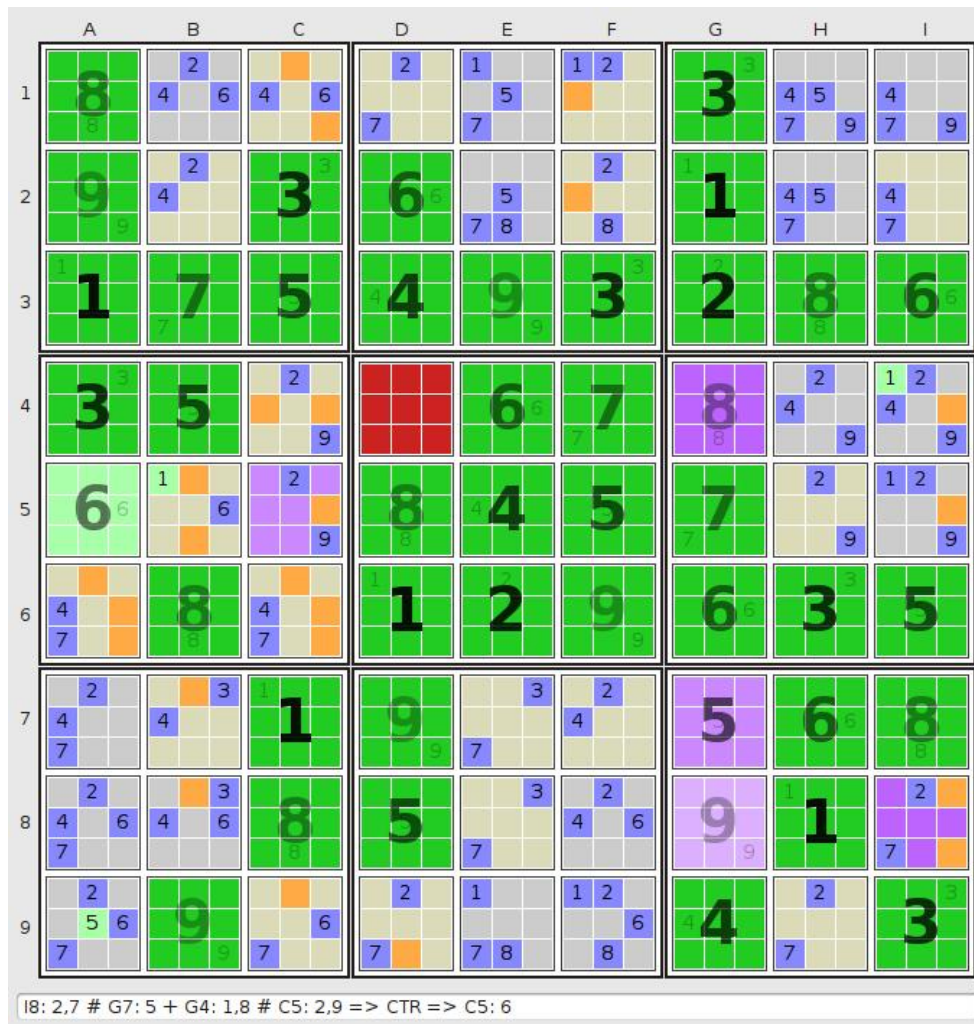




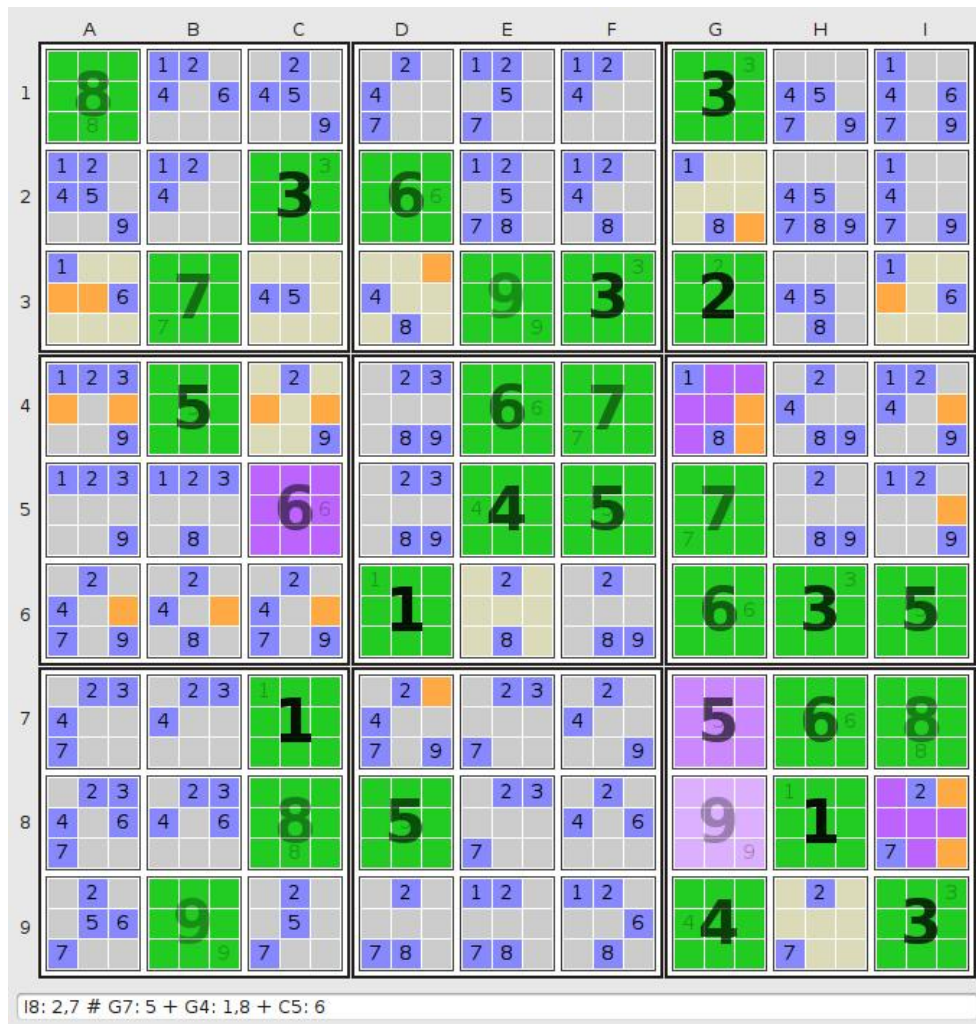


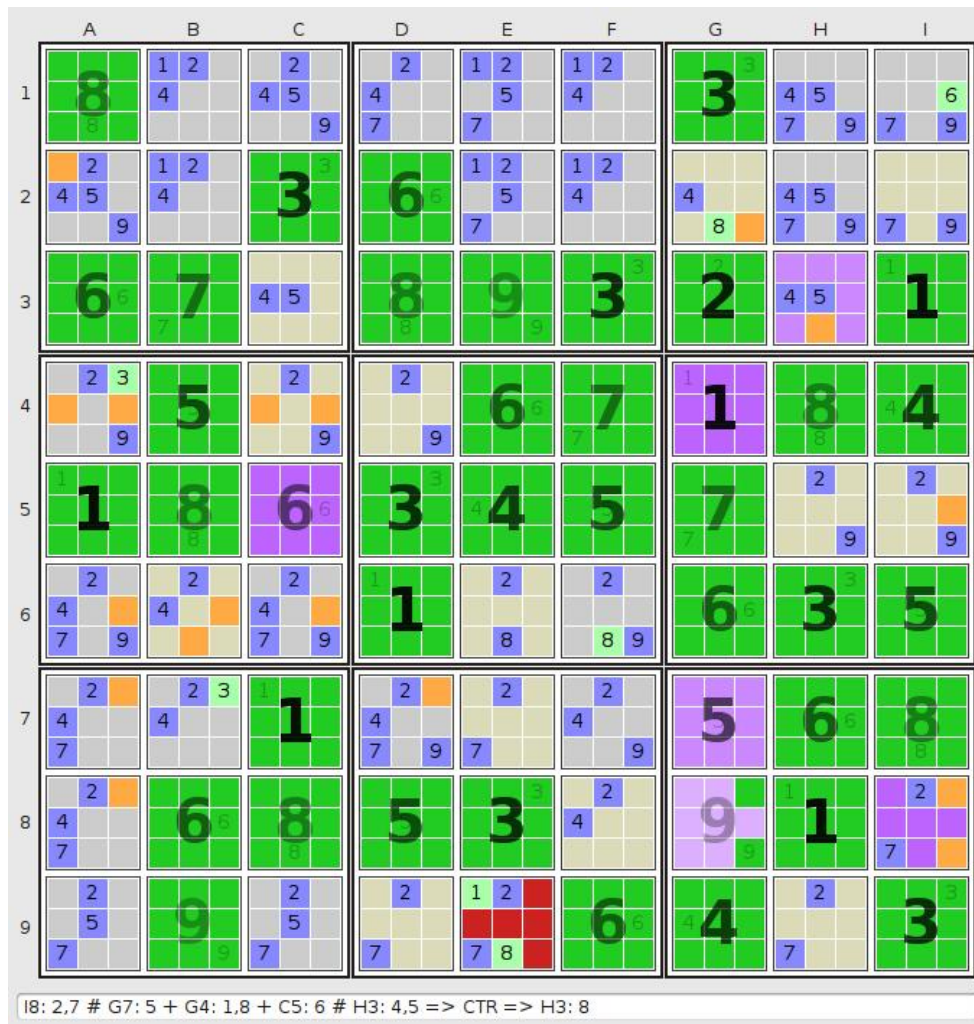












## 8.6 HDP Chain Illustrations for *World's Hardest Sudoku*

8.6.1 STA Original Sudoku

8.6.2 HYP # I8: 3,9

8.6.3 DIS # I8: 3,9 # B1: 1,2 => CTR => B1: 6

8.6.4 STA # I8: 3,9 + B1: 6

8.6.5 DIS # I8: 3,9 + B1: 6 # A2: 1,2 => CTR => A2: 5,9

8.6.6 STA # I8: 3,9 + B1: 6 + A2: 5,9

8.6.7 DIS # I8: 3,9 + B1: 6 + A2: 5,9 # B5: 1,2 => CTR => B5: 3,8

8.6.8 DIS # I8: 3,9 + B1: 6 + A2: 5,9 + B5: 3,8 => CTR => I8: 2,7

8.6.9 STA I8: 2,7

8.6.10 HYP I8: 2,7 # G7: 5

8.6.11 DIS I8: 2,7 # G7: 5 # G4: 6 => CTR => G4: 1,8

8.6.12 STA I8: 2,7 # G7: 5 + G4: 1,8

8.6.13 DIS I8: 2,7 # G7: 5 + G4: 1,8 # C5: 2,9 => CTR => C5: 6

8.6.14 STA I8: 2,7 # G7: 5 + G4: 1,8 + C5: 6

8.6.15 DIS I8: 2,7 # G7: 5 + G4: 1,8 + C5: 6 # H3: 4,5 => CTR => H3: 8

8.6.16 DIS I8: 2,7 # G7: 5 + G4: 1,8 + C5: 6 + H3: 8 => CTR => G7: 3,9

8.6.17 STA I8: 2,7 + G7: 3,9

8.6.18 HYP I8: 2,7 + G7: 3,9 # A8: 3,4,6

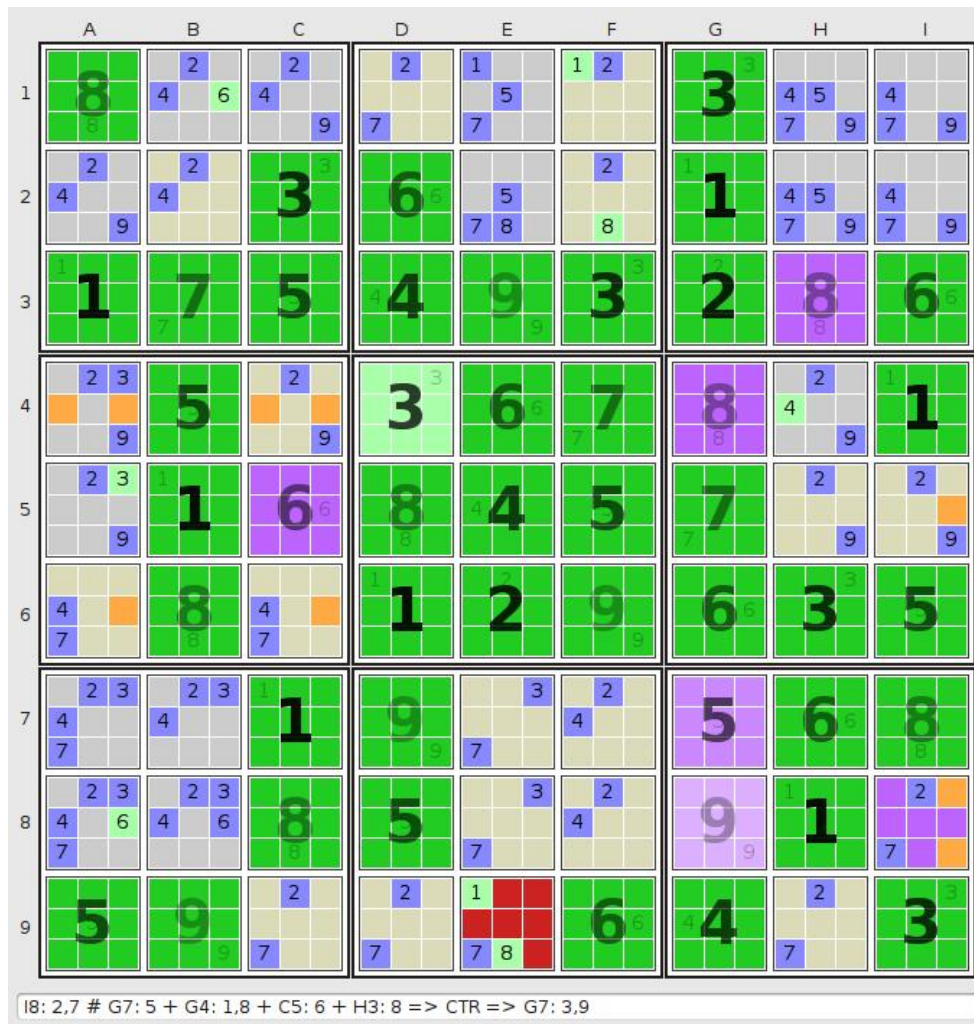
8.6.19 DIS I8: 2,7 + G7: 3,9 # A8: 3,4,6 # A9: 3 => CTR => A9: 6,7

8.6.20 STA I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7

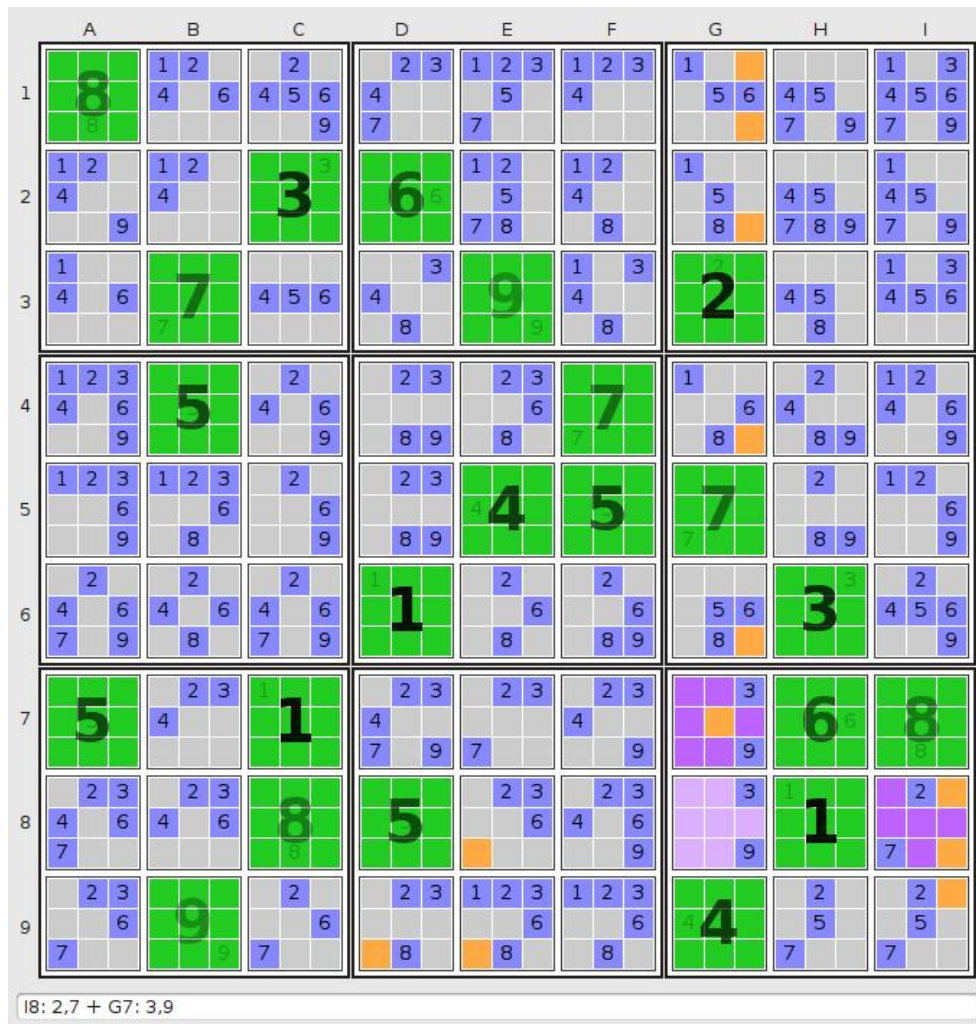
8.6.21 DIS I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7 # D7: 2,7 => CTR => D7: 4,9

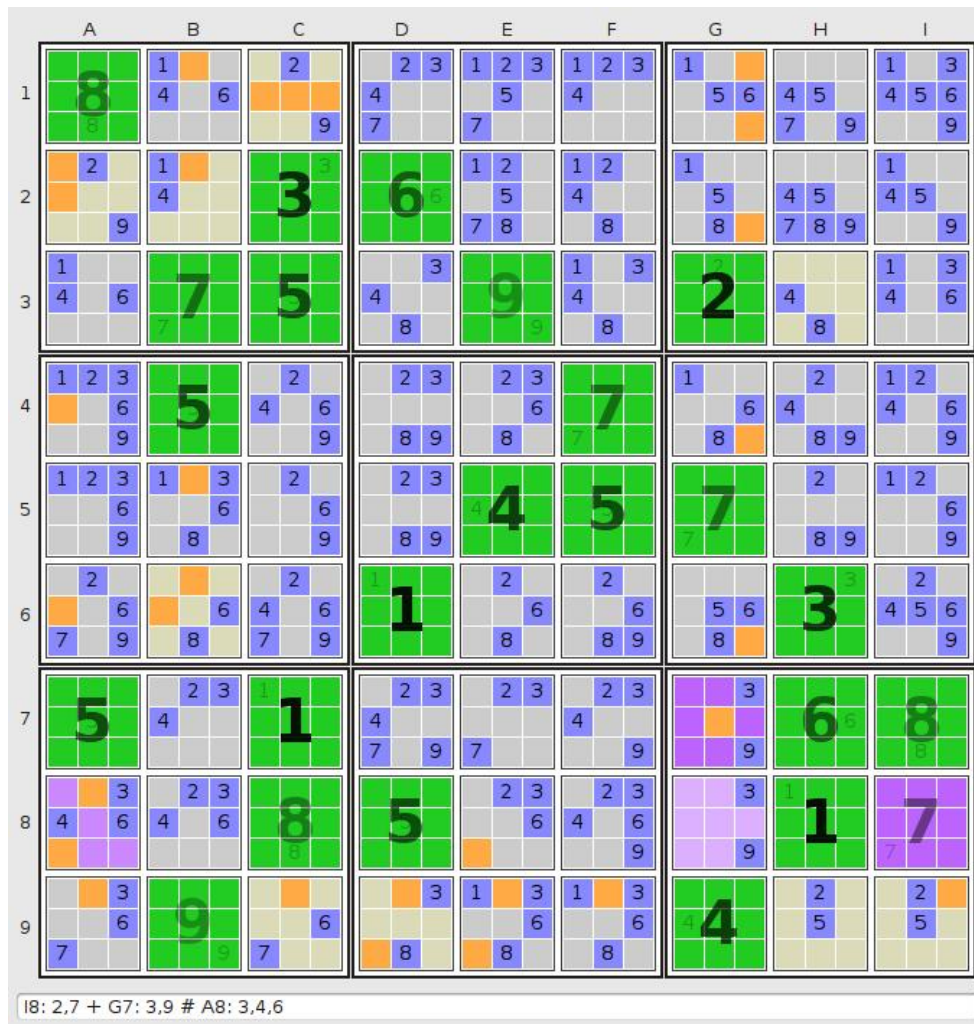
8.6.22 STA I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7 + D7: 4,9

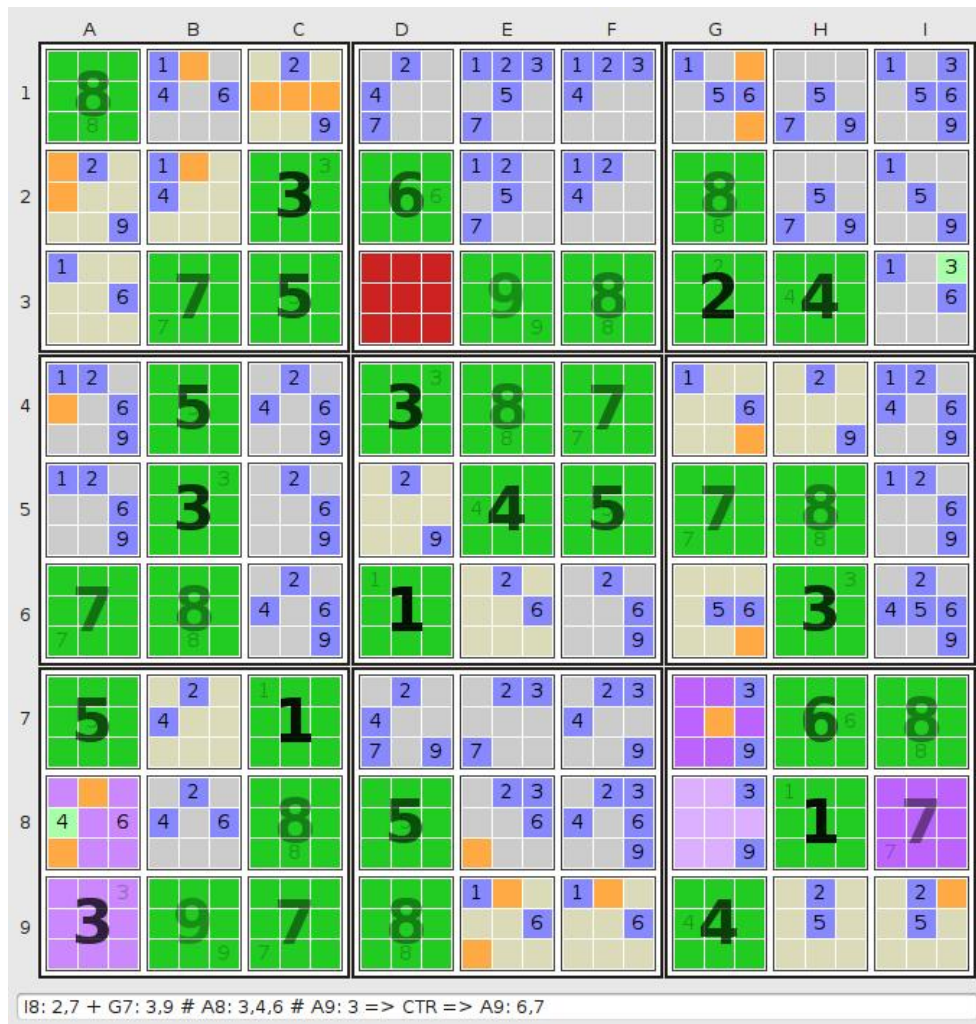
8.6.23 PRF I8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7 + D7: 4,9 => SOL



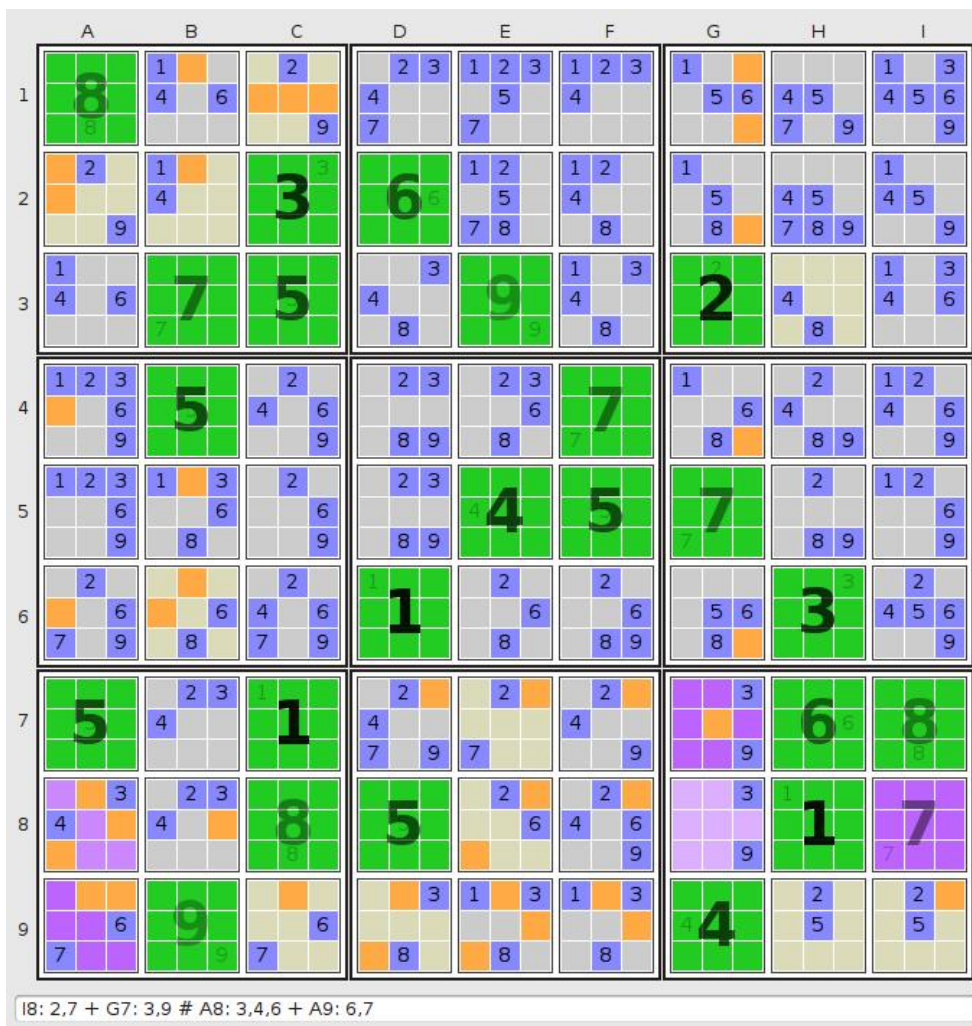




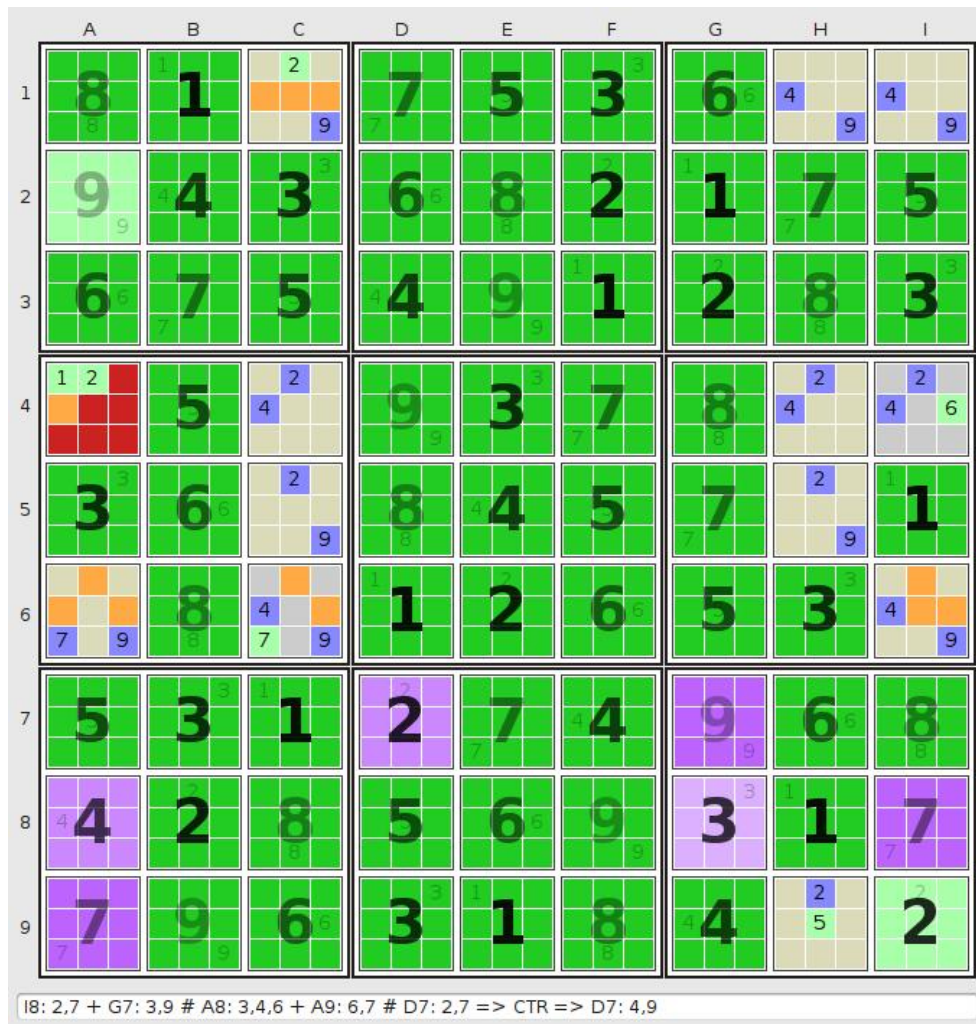


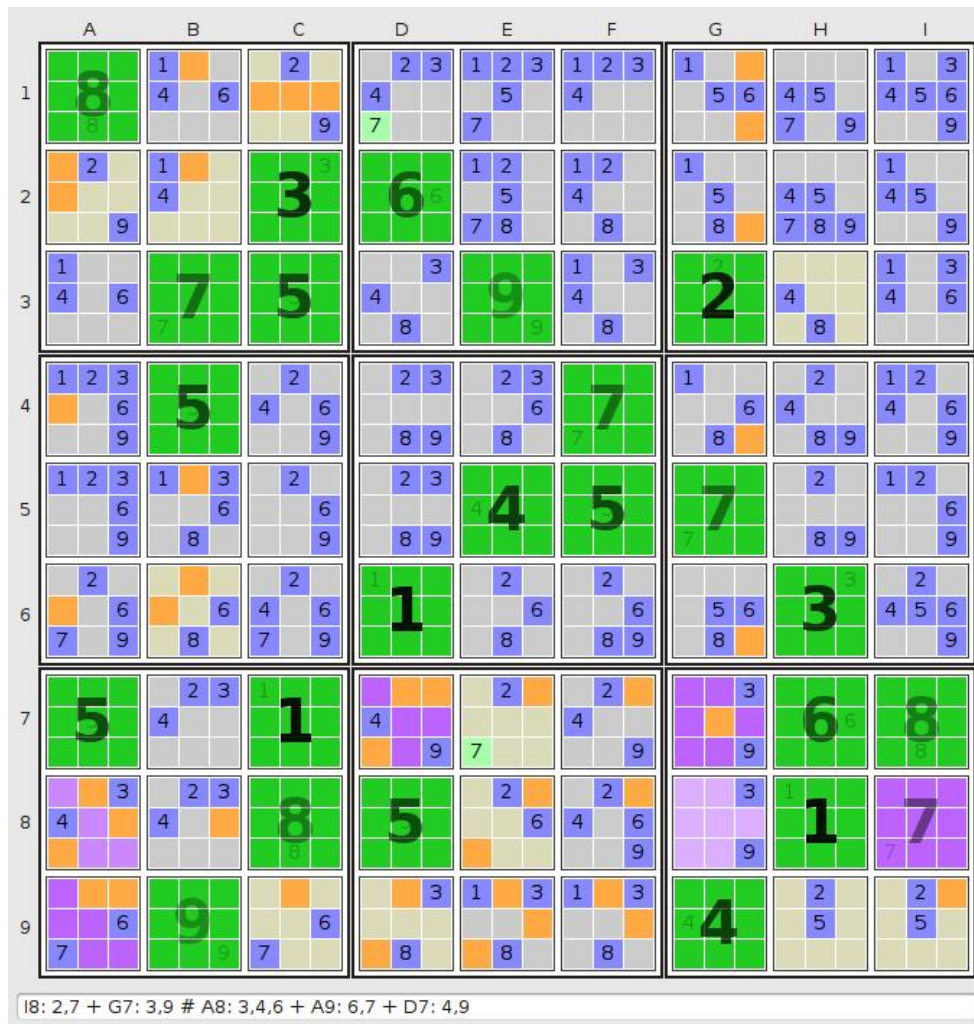












	A	B	C	D	E	F	G	H	I
1	8 <sub>8</sub>	1 <sup>1</sup>	2 <sup>2</sup>	7 <sub>7</sub>	5	3 <sup>3</sup>	6 <sub>6</sub>	4 <sub>4</sub>	9 <sub>9</sub>
2	9 <sub>9</sub>	4 <sub>4</sub>	3 <sup>3</sup>	6 <sub>6</sub>	8 <sub>8</sub>	2 <sup>2</sup>	1 <sub>1</sub>	7 <sub>7</sub>	5 <sup>5</sup>
3	6 <sub>6</sub>	7 <sub>7</sub>	5	4 <sub>4</sub>	9 <sub>9</sub>	1 <sup>1</sup>	2 <sup>2</sup>	8 <sub>8</sub>	3 <sup>3</sup>
4	1 <sup>1</sup>	5 <sub>5</sub>	4 <sub>4</sub>	2	3 <sup>3</sup>	7 <sub>7</sub>	8 <sub>8</sub>	9 <sub>9</sub>	6 <sub>6</sub>
5	3 <sup>3</sup>	6 <sub>6</sub>	9 <sub>9</sub>	8 <sub>8</sub>	4 <sub>4</sub>	5	7 <sub>7</sub>	2 <sup>2</sup>	1 <sup>1</sup>
6	2 <sup>2</sup>	8 <sub>8</sub>	7 <sub>7</sub>	1 <sup>1</sup>	6 <sub>6</sub>	9 <sub>9</sub>	5	3 <sup>3</sup>	4 <sub>4</sub>
7	5	2 <sup>2</sup>	1 <sup>1</sup>	9 <sub>9</sub>	7 <sub>7</sub>	4 <sub>4</sub>	3 <sup>3</sup>	6 <sub>6</sub>	8 <sub>8</sub>
8	4 <sub>4</sub>	3 <sup>3</sup>	8 <sub>8</sub>	5	2 <sup>2</sup>	6 <sub>6</sub>	9 <sub>9</sub>	1 <sup>1</sup>	7 <sub>7</sub>
9	7 <sub>7</sub>	9 <sub>9</sub>	6 <sub>6</sub>	3 <sup>3</sup>	1 <sup>1</sup>	8 <sub>8</sub>	4 <sub>4</sub>	5	2 <sup>2</sup>

!8: 2,7 + G7: 3,9 # A8: 3,4,6 + A9: 6,7 + D7: 4,9 => SOL



## SATOKU MATRIX CSP SOLVER STATISTICS

Despite the name *Satoku Matrix*<sup>1</sup>, it is not a special algorithm for sudoku, but a generic algorithm for structural analysis of CDF (generalized CNF)<sup>2</sup> problems.

The sudoku is therefore formulated as CSP problem and encoded as propositional clauses in conjunctive normal form (CNF). The codified problem is then mapped to a satoku matrix, where each alternative of a clause is represented as a state.

The matrix is then consolidated, i.e., the immediate consequences of conflicts between states are propagated throughout the matrix (*0 consolidation*). This step already determines the solution for most of the *unsolvable* sudokus.

In the next step, the satoku matrix is reduced, i.e., separate clauses are combined into a single clause, if that results in a smaller matrix (*1 reduction*).

Finally, the binary alternatives between states are expanded, which reveals the solution for the hardest sudokus (*2 minor CFR check*).

Currently, there are no known sudokus, which require further processing.

The HDP hardness and the satoku matrix hardness correlate quite nicely, at least a multitude better than e.g. straightforward depth first search (SDFS).

### 9.1 Satoku Stats by CSP Level

#### 9.1.1 Unsolved

HDP Level	Sudoku	Satoku Level	Result Position	Clues
4 very deep	<a href="#">xx-ph-02321844-2019_03_16-base.sdk</a>	2 minor CFR check	9876...5...4...9...6...36.7...8962.4...95... 8...2...11...7...6...598...8...68... 46.95	34

#### 9.1.2 Solved

HDP Level	Sudoku
0 simple	<a href="#">cc-17-clue-puzzle-001-base.sdk</a>
0 simple	<a href="#">xx-17-clue-enjoysudoku.com-010-base.sdk</a>

<sup>1</sup> The Satoku Matrix is described in [Structural Logic](#).

Although the satoku matrix always satisfies the requirements of an inverted adjacency matrix, it is unrelated to graph theory.

It is also independent of decision problems, the DPLL-algorithm (Davis–Putnam–Logemann–Loveland) and CDCL (conflict driven clause learning), which assume, that the appropriate structure of logical problems is a binary decision tree. However, the missing polynomial-time DPLL algorithm for 2-SAT problems indicates otherwise.

<sup>2</sup> CDF = conjunction of DNF clauses (see [Generalization of CNF and Consequences for DNF of Implicants under Distributive Expansion](#))



HDP Level	Sudoku
0 simple	xx-17-clue-enjoysudoku.com-012-base.sdk
0 simple	xx-17-clue-enjoysudoku.com-013-base.sdk
0 simple	xx-17-clue-good-at-sudoku-heres-some-youll-never-complete-base.sdk
0 simple	xx-top500-062-base.sdk
0 simple	xx-top95-001-base.sdk
0 simple	xx-top95-001-base.sdk
0 simple	xx-top95-002-base.sdk
0 simple	xx-top95-002-base.sdk
0 simple	xx-top95-003-base.sdk
0 simple	xx-top95-003-base.sdk
0 simple	xx-top95-006-base.sdk
0 simple	xx-top95-006-base.sdk
0 simple	xx-top95-015-base.sdk
0 simple	xx-top95-015-base.sdk
0 simple	xx-top95-018-base.sdk
0 simple	xx-top95-018-base.sdk
0 simple	xx-top95-021-base.sdk
0 simple	xx-top95-021-base.sdk
0 simple	xx-top95-023-base.sdk
0 simple	xx-top95-023-base.sdk
0 simple	xx-top95-024-base.sdk
0 simple	xx-top95-026-base.sdk
0 simple	xx-top95-026-base.sdk
0 simple	xx-top95-027-base.sdk
0 simple	xx-top95-027-base.sdk
0 simple	xx-top95-030-base.sdk
0 simple	xx-top95-030-base.sdk
0 simple	xx-top95-033-base.sdk
0 simple	xx-top95-034-base.sdk
0 simple	xx-top95-034-base.sdk
0 simple	xx-top95-036-base.sdk
0 simple	xx-top95-036-base.sdk
0 simple	xx-top95-037-base.sdk
0 simple	xx-top95-037-base.sdk
0 simple	xx-top95-042-base.sdk
0 simple	xx-top95-042-base.sdk
0 simple	xx-top95-043-base.sdk
0 simple	xx-top95-044-base.sdk
0 simple	xx-top95-049-base.sdk
0 simple	xx-top95-049-base.sdk
0 simple	xx-top95-057-base.sdk
0 simple	xx-top95-062-base.sdk
0 simple	xx-top95-062-base.sdk
0 simple	xx-top95-063-base.sdk
0 simple	xx-top95-067-base.sdk
0 simple	xx-top95-067-base.sdk
0 simple	xx-top95-073-base.sdk
0 simple	xx-top95-073-base.sdk
0 simple	xx-top95-078-base.sdk
0 simple	xx-top95-079-base.sdk
0 simple	xx-top95-079-base.sdk
0 simple	xx-top95-084-base.sdk
0 simple	xx-top95-084-base.sdk

HDP Level	Sudoku
0 simple	xx-top95-095-base.sdk
0 simple	xx-top95-095-base.sdk
0 simple	yy-clue-clusters-000-base.sdk
0 simple	zz-google-003-base.sdk
0 simple	zz-handy-000-base.sdk
0 simple	zz-handy-002-base.sdk
0 simple	zz-internet-000-base.sdk
0 simple	zz-internet-001-base.sdk
0 simple	zz-internet-002-base.sdk
0 simple	zz-internet-003-base.sdk
0 simple	zz-internet-004-base.sdk
0 simple	zz-knacker-070785-base.sdk
0 simple	zz-knacker-074707-base.sdk
0 simple	zz-knacker-076781-base.sdk
0 simple	zz-knacker-077842-base.sdk
0 simple	zz-knacker-078029-base.sdk
0 simple	zz-knacker-078207-base.sdk
0 simple	zz-knacker-079954-base.sdk
0 simple	zz-knacker-093599-base.sdk
0 simple	zz-knacker-095185-base.sdk
0 simple	zz-knacker-097417-base.sdk
0 simple	zz-knacker-106991-base.sdk
0 simple	zz-knacker-107069-base.sdk
0 simple	zz-knacker-109075-base.sdk
0 simple	zz-knacker-111751-base.sdk
0 simple	zz-knacker-113383-base.sdk
0 simple	zz-knacker-123718-base.sdk
0 simple	zz-simple-000.sdk
0 simple	zz-simple-002.sdk
0 simple	zz-simple-003.sdk
0 simple	zz-simple-004.sdk
0 simple	zz-simple-005.sdk
0 simple	zz-simple-006.sdk
0 simple	zz-simple-007.sdk
0 simple	zz-simple-008.sdk
0 simple	zz-simple-009.sdk
0 simple	zz-sudoku-de-611487-base.sdk
0 simple	zz-sudoku-de-624491-base.sdk
0 simple	zz-sudoku-de-630693-base.sdk
0 simple	zz-sudoku-de-641212-base.sdk
0 simple	zz-sudoku-de-643517-base.sdk
0 simple	zz-sudoku-de-698985-base.sdk
0 simple	zz-sudoku-de-699316-base.sdk
0 simple	zz-sudoku-de-725462-base.sdk
0 simple	zz-sudoku-de-740405-base.sdk
0 simple	zz-sudoku-de-757048-base.sdk
0 simple	zz-sudoku-de-772287-base.sdk
0 simple	zz-sudoku-de-787313-base.sdk
0 simple	zz-weltkompakt-000-base.sdk
0 simple	zz-weltkompakt-001-base.sdk
0 simple	zz-www.sudokuwiki.org-interesting-2x3x3-base.sdk
0 simple	zz-www.sudokuwiki.org-interesting-battlement-base.sdk
0 simple	zz-www.sudokuwiki.org-interesting-vase-base.sdk

HDP Level	Sudoku
0 simple	zz-zendoku-tricky-base.sdk
1 medium	cracking-the-cryptic-beyond-diabolical-base.sdk
1 medium	xx-17-clue-enjoysudoku.com-000-9.0-rating-base.sdk
1 medium	xx-17-clue-enjoysudoku.com-011-base.sdk
1 medium	xx-top500-001-base.sdk
1 medium	xx-top500-002-base.sdk
1 medium	xx-top500-003-base.sdk
1 medium	xx-top500-004-base.sdk
1 medium	xx-top500-005-base.sdk
1 medium	xx-top500-006-base.sdk
1 medium	xx-top500-007-base.sdk
1 medium	xx-top500-008-base.sdk
1 medium	xx-top500-009-base.sdk
1 medium	xx-top500-010-base.sdk
1 medium	xx-top500-011-base.sdk
1 medium	xx-top500-012-base.sdk
1 medium	xx-top500-013-base.sdk
1 medium	xx-top500-014-base.sdk
1 medium	xx-top500-015-base.sdk
1 medium	xx-top500-016-base.sdk
1 medium	xx-top500-017-base.sdk
1 medium	xx-top500-018-base.sdk
1 medium	xx-top500-019-base.sdk
1 medium	xx-top500-020-base.sdk
1 medium	xx-top500-021-base.sdk
1 medium	xx-top500-022-base.sdk
1 medium	xx-top500-023-base.sdk
1 medium	xx-top500-024-base.sdk
1 medium	xx-top500-025-base.sdk
1 medium	xx-top500-026-base.sdk
1 medium	xx-top500-027-base.sdk
1 medium	xx-top500-028-base.sdk
1 medium	xx-top500-029-base.sdk
1 medium	xx-top500-030-base.sdk
1 medium	xx-top500-031-base.sdk
1 medium	xx-top500-032-base.sdk
1 medium	xx-top500-033-base.sdk
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1 medium	xx-top500-036-base.sdk
1 medium	xx-top500-037-base.sdk
1 medium	xx-top500-038-base.sdk
1 medium	xx-top500-039-base.sdk
1 medium	xx-top500-040-base.sdk
1 medium	xx-top500-041-base.sdk
1 medium	xx-top500-042-base.sdk
1 medium	xx-top500-043-base.sdk
1 medium	xx-top500-044-base.sdk
1 medium	xx-top500-045-base.sdk
1 medium	xx-top500-046-base.sdk
1 medium	xx-top500-047-base.sdk
1 medium	xx-top500-048-base.sdk
1 medium	xx-top500-049-base.sdk



HDP Level	Sudoku
1 medium	xx-top500-050-base.sdk
1 medium	xx-top500-051-base.sdk
1 medium	xx-top500-052-base.sdk
1 medium	xx-top500-053-base.sdk
1 medium	xx-top500-054-base.sdk
1 medium	xx-top500-055-base.sdk
1 medium	xx-top500-056-base.sdk
1 medium	xx-top500-057-base.sdk
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1 medium	xx-top500-067-base.sdk
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1 medium	xx-top500-069-base.sdk
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1 medium	xx-top500-078-base.sdk
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1 medium	xx-top500-084-base.sdk
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1 medium	xx-top500-096-base.sdk
1 medium	xx-top500-097-base.sdk
1 medium	xx-top500-098-base.sdk
1 medium	xx-top500-099-base.sdk
1 medium	xx-top500-100-base.sdk
1 medium	xx-top500-101-base.sdk
1 medium	xx-top500-102-base.sdk
1 medium	xx-top500-103-base.sdk
1 medium	xx-top500-104-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-105-base.sdk
1 medium	xx-top500-106-base.sdk
1 medium	xx-top500-107-base.sdk
1 medium	xx-top500-108-base.sdk
1 medium	xx-top500-109-base.sdk
1 medium	xx-top500-110-base.sdk
1 medium	xx-top500-111-base.sdk
1 medium	xx-top500-113-base.sdk
1 medium	xx-top500-114-base.sdk
1 medium	xx-top500-115-base.sdk
1 medium	xx-top500-116-base.sdk
1 medium	xx-top500-117-base.sdk
1 medium	xx-top500-118-base.sdk
1 medium	xx-top500-119-base.sdk
1 medium	xx-top500-120-base.sdk
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1 medium	xx-top500-126-base.sdk
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1 medium	xx-top500-130-base.sdk
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1 medium	xx-top500-133-base.sdk
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1 medium	xx-top500-138-base.sdk
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1 medium	xx-top500-141-base.sdk
1 medium	xx-top500-142-base.sdk
1 medium	xx-top500-143-base.sdk
1 medium	xx-top500-144-base.sdk
1 medium	xx-top500-145-base.sdk
1 medium	xx-top500-146-base.sdk
1 medium	xx-top500-147-base.sdk
1 medium	xx-top500-148-base.sdk
1 medium	xx-top500-149-base.sdk
1 medium	xx-top500-150-base.sdk
1 medium	xx-top500-151-base.sdk
1 medium	xx-top500-152-base.sdk
1 medium	xx-top500-153-base.sdk
1 medium	xx-top500-154-base.sdk
1 medium	xx-top500-155-base.sdk
1 medium	xx-top500-157-base.sdk
1 medium	xx-top500-158-base.sdk
1 medium	xx-top500-159-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-160-base.sdk
1 medium	xx-top500-161-base.sdk
1 medium	xx-top500-162-base.sdk
1 medium	xx-top500-163-base.sdk
1 medium	xx-top500-164-base.sdk
1 medium	xx-top500-165-base.sdk
1 medium	xx-top500-166-base.sdk
1 medium	xx-top500-167-base.sdk
1 medium	xx-top500-168-base.sdk
1 medium	xx-top500-169-base.sdk
1 medium	xx-top500-170-base.sdk
1 medium	xx-top500-171-base.sdk
1 medium	xx-top500-172-base.sdk
1 medium	xx-top500-173-base.sdk
1 medium	xx-top500-174-base.sdk
1 medium	xx-top500-175-base.sdk
1 medium	xx-top500-176-base.sdk
1 medium	xx-top500-177-base.sdk
1 medium	xx-top500-178-base.sdk
1 medium	xx-top500-179-base.sdk
1 medium	xx-top500-180-base.sdk
1 medium	xx-top500-181-base.sdk
1 medium	xx-top500-182-base.sdk
1 medium	xx-top500-183-base.sdk
1 medium	xx-top500-184-base.sdk
1 medium	xx-top500-185-base.sdk
1 medium	xx-top500-186-base.sdk
1 medium	xx-top500-187-base.sdk
1 medium	xx-top500-188-base.sdk
1 medium	xx-top500-189-base.sdk
1 medium	xx-top500-190-base.sdk
1 medium	xx-top500-191-base.sdk
1 medium	xx-top500-192-base.sdk
1 medium	xx-top500-193-base.sdk
1 medium	xx-top500-194-base.sdk
1 medium	xx-top500-195-base.sdk
1 medium	xx-top500-196-base.sdk
1 medium	xx-top500-197-base.sdk
1 medium	xx-top500-198-base.sdk
1 medium	xx-top500-199-base.sdk
1 medium	xx-top500-201-base.sdk
1 medium	xx-top500-202-base.sdk
1 medium	xx-top500-203-base.sdk
1 medium	xx-top500-204-base.sdk
1 medium	xx-top500-205-base.sdk
1 medium	xx-top500-207-base.sdk
1 medium	xx-top500-208-base.sdk
1 medium	xx-top500-209-base.sdk
1 medium	xx-top500-210-base.sdk
1 medium	xx-top500-211-base.sdk
1 medium	xx-top500-212-base.sdk
1 medium	xx-top500-213-base.sdk
1 medium	xx-top500-214-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-215-base.sdk
1 medium	xx-top500-216-base.sdk
1 medium	xx-top500-217-base.sdk
1 medium	xx-top500-218-base.sdk
1 medium	xx-top500-219-base.sdk
1 medium	xx-top500-220-base.sdk
1 medium	xx-top500-221-base.sdk
1 medium	xx-top500-222-base.sdk
1 medium	xx-top500-223-base.sdk
1 medium	xx-top500-224-base.sdk
1 medium	xx-top500-225-base.sdk
1 medium	xx-top500-226-base.sdk
1 medium	xx-top500-227-base.sdk
1 medium	xx-top500-228-base.sdk
1 medium	xx-top500-229-base.sdk
1 medium	xx-top500-230-base.sdk
1 medium	xx-top500-231-base.sdk
1 medium	xx-top500-232-base.sdk
1 medium	xx-top500-233-base.sdk
1 medium	xx-top500-234-base.sdk
1 medium	xx-top500-235-base.sdk
1 medium	xx-top500-236-base.sdk
1 medium	xx-top500-237-base.sdk
1 medium	xx-top500-238-base.sdk
1 medium	xx-top500-239-base.sdk
1 medium	xx-top500-240-base.sdk
1 medium	xx-top500-241-base.sdk
1 medium	xx-top500-242-base.sdk
1 medium	xx-top500-243-base.sdk
1 medium	xx-top500-244-base.sdk
1 medium	xx-top500-245-base.sdk
1 medium	xx-top500-246-base.sdk
1 medium	xx-top500-247-base.sdk
1 medium	xx-top500-248-base.sdk
1 medium	xx-top500-249-base.sdk
1 medium	xx-top500-250-base.sdk
1 medium	xx-top500-251-base.sdk
1 medium	xx-top500-252-base.sdk
1 medium	xx-top500-253-base.sdk
1 medium	xx-top500-254-base.sdk
1 medium	xx-top500-255-base.sdk
1 medium	xx-top500-256-base.sdk
1 medium	xx-top500-257-base.sdk
1 medium	xx-top500-258-base.sdk
1 medium	xx-top500-259-base.sdk
1 medium	xx-top500-260-base.sdk
1 medium	xx-top500-261-base.sdk
1 medium	xx-top500-262-base.sdk
1 medium	xx-top500-263-base.sdk
1 medium	xx-top500-264-base.sdk
1 medium	xx-top500-265-base.sdk
1 medium	xx-top500-266-base.sdk
1 medium	xx-top500-267-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-268-base.sdk
1 medium	xx-top500-269-base.sdk
1 medium	xx-top500-270-base.sdk
1 medium	xx-top500-271-base.sdk
1 medium	xx-top500-272-base.sdk
1 medium	xx-top500-273-base.sdk
1 medium	xx-top500-274-base.sdk
1 medium	xx-top500-275-base.sdk
1 medium	xx-top500-276-base.sdk
1 medium	xx-top500-277-base.sdk
1 medium	xx-top500-278-base.sdk
1 medium	xx-top500-279-base.sdk
1 medium	xx-top500-280-base.sdk
1 medium	xx-top500-281-base.sdk
1 medium	xx-top500-282-base.sdk
1 medium	xx-top500-283-base.sdk
1 medium	xx-top500-284-base.sdk
1 medium	xx-top500-285-base.sdk
1 medium	xx-top500-286-base.sdk
1 medium	xx-top500-287-base.sdk
1 medium	xx-top500-288-base.sdk
1 medium	xx-top500-289-base.sdk
1 medium	xx-top500-290-base.sdk
1 medium	xx-top500-291-base.sdk
1 medium	xx-top500-292-base.sdk
1 medium	xx-top500-293-base.sdk
1 medium	xx-top500-294-base.sdk
1 medium	xx-top500-295-base.sdk
1 medium	xx-top500-298-base.sdk
1 medium	xx-top500-299-base.sdk
1 medium	xx-top500-300-base.sdk
1 medium	xx-top500-301-base.sdk
1 medium	xx-top500-302-base.sdk
1 medium	xx-top500-303-base.sdk
1 medium	xx-top500-304-base.sdk
1 medium	xx-top500-305-base.sdk
1 medium	xx-top500-306-base.sdk
1 medium	xx-top500-307-base.sdk
1 medium	xx-top500-308-base.sdk
1 medium	xx-top500-309-base.sdk
1 medium	xx-top500-310-base.sdk
1 medium	xx-top500-311-base.sdk
1 medium	xx-top500-312-base.sdk
1 medium	xx-top500-313-base.sdk
1 medium	xx-top500-314-base.sdk
1 medium	xx-top500-315-base.sdk
1 medium	xx-top500-316-base.sdk
1 medium	xx-top500-317-base.sdk
1 medium	xx-top500-318-base.sdk
1 medium	xx-top500-319-base.sdk
1 medium	xx-top500-320-base.sdk
1 medium	xx-top500-321-base.sdk
1 medium	xx-top500-322-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-323-base.sdk
1 medium	xx-top500-324-base.sdk
1 medium	xx-top500-325-base.sdk
1 medium	xx-top500-326-base.sdk
1 medium	xx-top500-327-base.sdk
1 medium	xx-top500-328-base.sdk
1 medium	xx-top500-329-base.sdk
1 medium	xx-top500-330-base.sdk
1 medium	xx-top500-331-base.sdk
1 medium	xx-top500-332-base.sdk
1 medium	xx-top500-333-base.sdk
1 medium	xx-top500-334-base.sdk
1 medium	xx-top500-335-base.sdk
1 medium	xx-top500-336-base.sdk
1 medium	xx-top500-337-base.sdk
1 medium	xx-top500-338-base.sdk
1 medium	xx-top500-339-base.sdk
1 medium	xx-top500-340-base.sdk
1 medium	xx-top500-341-base.sdk
1 medium	xx-top500-342-base.sdk
1 medium	xx-top500-344-base.sdk
1 medium	xx-top500-345-base.sdk
1 medium	xx-top500-346-base.sdk
1 medium	xx-top500-347-base.sdk
1 medium	xx-top500-348-base.sdk
1 medium	xx-top500-349-base.sdk
1 medium	xx-top500-350-base.sdk
1 medium	xx-top500-351-base.sdk
1 medium	xx-top500-352-base.sdk
1 medium	xx-top500-353-base.sdk
1 medium	xx-top500-354-base.sdk
1 medium	xx-top500-355-base.sdk
1 medium	xx-top500-356-base.sdk
1 medium	xx-top500-357-base.sdk
1 medium	xx-top500-358-base.sdk
1 medium	xx-top500-359-base.sdk
1 medium	xx-top500-360-base.sdk
1 medium	xx-top500-361-base.sdk
1 medium	xx-top500-362-base.sdk
1 medium	xx-top500-363-base.sdk
1 medium	xx-top500-364-base.sdk
1 medium	xx-top500-365-base.sdk
1 medium	xx-top500-366-base.sdk
1 medium	xx-top500-367-base.sdk
1 medium	xx-top500-368-base.sdk
1 medium	xx-top500-369-base.sdk
1 medium	xx-top500-370-base.sdk
1 medium	xx-top500-371-base.sdk
1 medium	xx-top500-372-base.sdk
1 medium	xx-top500-373-base.sdk
1 medium	xx-top500-374-base.sdk
1 medium	xx-top500-375-base.sdk
1 medium	xx-top500-376-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-377-base.sdk
1 medium	xx-top500-378-base.sdk
1 medium	xx-top500-379-base.sdk
1 medium	xx-top500-380-base.sdk
1 medium	xx-top500-381-base.sdk
1 medium	xx-top500-382-base.sdk
1 medium	xx-top500-383-base.sdk
1 medium	xx-top500-384-base.sdk
1 medium	xx-top500-385-base.sdk
1 medium	xx-top500-386-base.sdk
1 medium	xx-top500-387-base.sdk
1 medium	xx-top500-388-base.sdk
1 medium	xx-top500-389-base.sdk
1 medium	xx-top500-390-base.sdk
1 medium	xx-top500-392-base.sdk
1 medium	xx-top500-393-base.sdk
1 medium	xx-top500-394-base.sdk
1 medium	xx-top500-395-base.sdk
1 medium	xx-top500-396-base.sdk
1 medium	xx-top500-398-base.sdk
1 medium	xx-top500-399-base.sdk
1 medium	xx-top500-400-base.sdk
1 medium	xx-top500-401-base.sdk
1 medium	xx-top500-403-base.sdk
1 medium	xx-top500-404-base.sdk
1 medium	xx-top500-405-base.sdk
1 medium	xx-top500-406-base.sdk
1 medium	xx-top500-407-base.sdk
1 medium	xx-top500-408-base.sdk
1 medium	xx-top500-410-base.sdk
1 medium	xx-top500-411-base.sdk
1 medium	xx-top500-412-base.sdk
1 medium	xx-top500-413-base.sdk
1 medium	xx-top500-415-base.sdk
1 medium	xx-top500-416-base.sdk
1 medium	xx-top500-417-base.sdk
1 medium	xx-top500-418-base.sdk
1 medium	xx-top500-419-base.sdk
1 medium	xx-top500-420-base.sdk
1 medium	xx-top500-421-base.sdk
1 medium	xx-top500-422-base.sdk
1 medium	xx-top500-423-base.sdk
1 medium	xx-top500-424-base.sdk
1 medium	xx-top500-425-base.sdk
1 medium	xx-top500-426-base.sdk
1 medium	xx-top500-427-base.sdk
1 medium	xx-top500-428-base.sdk
1 medium	xx-top500-429-base.sdk
1 medium	xx-top500-430-base.sdk
1 medium	xx-top500-431-base.sdk
1 medium	xx-top500-432-base.sdk
1 medium	xx-top500-433-base.sdk
1 medium	xx-top500-434-base.sdk



HDP Level	Sudoku
1 medium	xx-top500-435-base.sdk
1 medium	xx-top500-436-base.sdk
1 medium	xx-top500-437-base.sdk
1 medium	xx-top500-438-base.sdk
1 medium	xx-top500-439-base.sdk
1 medium	xx-top500-440-base.sdk
1 medium	xx-top500-441-base.sdk
1 medium	xx-top500-442-base.sdk
1 medium	xx-top500-443-base.sdk
1 medium	xx-top500-444-base.sdk
1 medium	xx-top500-445-base.sdk
1 medium	xx-top500-446-base.sdk
1 medium	xx-top500-447-base.sdk
1 medium	xx-top500-448-base.sdk
1 medium	xx-top500-449-base.sdk
1 medium	xx-top500-451-base.sdk
1 medium	xx-top500-452-base.sdk
1 medium	xx-top500-453-base.sdk
1 medium	xx-top500-454-base.sdk
1 medium	xx-top500-455-base.sdk
1 medium	xx-top500-457-base.sdk
1 medium	xx-top500-458-base.sdk
1 medium	xx-top500-459-base.sdk
1 medium	xx-top500-460-base.sdk
1 medium	xx-top500-461-base.sdk
1 medium	xx-top500-462-base.sdk
1 medium	xx-top500-464-base.sdk
1 medium	xx-top500-465-base.sdk
1 medium	xx-top500-466-base.sdk
1 medium	xx-top500-467-base.sdk
1 medium	xx-top500-468-base.sdk
1 medium	xx-top500-469-base.sdk
1 medium	xx-top500-470-base.sdk
1 medium	xx-top500-471-base.sdk
1 medium	xx-top500-472-base.sdk
1 medium	xx-top500-473-base.sdk
1 medium	xx-top500-474-base.sdk
1 medium	xx-top500-475-base.sdk
1 medium	xx-top500-477-base.sdk
1 medium	xx-top500-478-base.sdk
1 medium	xx-top500-479-base.sdk
1 medium	xx-top500-480-base.sdk
1 medium	xx-top500-481-base.sdk
1 medium	xx-top500-482-base.sdk
1 medium	xx-top500-483-base.sdk
1 medium	xx-top500-484-base.sdk
1 medium	xx-top500-485-base.sdk
1 medium	xx-top500-486-base.sdk
1 medium	xx-top500-487-base.sdk
1 medium	xx-top500-488-base.sdk
1 medium	xx-top500-489-base.sdk
1 medium	xx-top500-490-base.sdk
1 medium	xx-top500-491-base.sdk



HDP Level	Sudoku
1 medium	xx-top500-492-base.sdk
1 medium	xx-top500-493-base.sdk
1 medium	xx-top500-494-base.sdk
1 medium	xx-top500-495-base.sdk
1 medium	xx-top500-496-base.sdk
1 medium	xx-top500-497-base.sdk
1 medium	xx-top500-498-base.sdk
1 medium	xx-top500-499-base.sdk
1 medium	xx-top500-500-base.sdk
1 medium	xx-top95-004-base.sdk
1 medium	xx-top95-004-base.sdk
1 medium	xx-top95-005-base.sdk
1 medium	xx-top95-005-base.sdk
1 medium	xx-top95-007-base.sdk
1 medium	xx-top95-007-base.sdk
1 medium	xx-top95-008-base.sdk
1 medium	xx-top95-008-base.sdk
1 medium	xx-top95-009-base.sdk
1 medium	xx-top95-009-base.sdk
1 medium	xx-top95-010-base.sdk
1 medium	xx-top95-010-base.sdk
1 medium	xx-top95-011-base.sdk
1 medium	xx-top95-011-base.sdk
1 medium	xx-top95-012-base.sdk
1 medium	xx-top95-013-base.sdk
1 medium	xx-top95-014-base.sdk
1 medium	xx-top95-014-base.sdk
1 medium	xx-top95-016-base.sdk
1 medium	xx-top95-016-base.sdk
1 medium	xx-top95-017-base.sdk
1 medium	xx-top95-019-base.sdk
1 medium	xx-top95-020-base.sdk
1 medium	xx-top95-022-base.sdk
1 medium	xx-top95-025-base.sdk
1 medium	xx-top95-028-base.sdk
1 medium	xx-top95-028-base.sdk
1 medium	xx-top95-029-base.sdk
1 medium	xx-top95-031-base.sdk
1 medium	xx-top95-032-base.sdk
1 medium	xx-top95-035-base.sdk
1 medium	xx-top95-038-base.sdk
1 medium	xx-top95-039-base.sdk
1 medium	xx-top95-040-base.sdk
1 medium	xx-top95-041-base.sdk
1 medium	xx-top95-041-base.sdk
1 medium	xx-top95-046-base.sdk
1 medium	xx-top95-046-base.sdk
1 medium	xx-top95-047-base.sdk
1 medium	xx-top95-050-base.sdk
1 medium	xx-top95-050-base.sdk
1 medium	xx-top95-051-base.sdk
1 medium	xx-top95-052-base.sdk
1 medium	xx-top95-053-base.sdk

HDP Level	Sudoku
1 medium	xx-top95-054-base.sdk
1 medium	xx-top95-055-base.sdk
1 medium	xx-top95-056-base.sdk
1 medium	xx-top95-058-base.sdk
1 medium	xx-top95-059-base.sdk
1 medium	xx-top95-060-base.sdk
1 medium	xx-top95-061-base.sdk
1 medium	xx-top95-064-base.sdk
1 medium	xx-top95-065-base.sdk
1 medium	xx-top95-068-base.sdk
1 medium	xx-top95-068-base.sdk
1 medium	xx-top95-070-base.sdk
1 medium	xx-top95-071-base.sdk
1 medium	xx-top95-071-base.sdk
1 medium	xx-top95-074-base.sdk
1 medium	xx-top95-075-base.sdk
1 medium	xx-top95-076-base.sdk
1 medium	xx-top95-077-base.sdk
1 medium	xx-top95-080-base.sdk
1 medium	xx-top95-081-base.sdk
1 medium	xx-top95-082-base.sdk
1 medium	xx-top95-083-base.sdk
1 medium	xx-top95-083-base.sdk
1 medium	xx-top95-085-base.sdk
1 medium	xx-top95-086-base.sdk
1 medium	xx-top95-087-base.sdk
1 medium	xx-top95-088-base.sdk
1 medium	xx-top95-089-base.sdk
1 medium	xx-top95-090-base.sdk
1 medium	xx-top95-091-base.sdk
1 medium	xx-top95-092-base.sdk
1 medium	xx-top95-093-base.sdk
1 medium	xx-top95-094-base.sdk
1 medium	zz-google-000-base.sdk
1 medium	zz-google-002-base.sdk
1 medium	zz-handy-001-base.sdk
1 medium	zz-knacker-132282-base.sdk
1 medium	zz-ksudoku-000-base.sdk
1 medium	zz-menneske-no-05925446-base.sdk
1 medium	zz-menneske-no-06093043-base.sdk
1 medium	zz-menneske-no-06899619-base.sdk
1 medium	zz-menneske-no-06900300-base.sdk
1 medium	zz-menneske-no-06900773-base.sdk
1 medium	zz-menneske-no-06902129-base.sdk
1 medium	zz-menneske-no-06902995-base.sdk
1 medium	zz-menneske-no-06903546-base.sdk
1 medium	zz-menneske-no-06903973-base.sdk
1 medium	zz-menneske-no-06904848-base.sdk
1 medium	zz-menneske-no-06908688-base.sdk
1 medium	zz-menneske-no-06908705-base.sdk
1 medium	zz-menneske-no-06909146-base.sdk
1 medium	zz-menneske-no-06910690-base.sdk
1 medium	zz-menneske-no-06911017-base.sdk

HDP Level	Sudoku
1 medium	zz-menneske-no-06911767-base.sdk
1 medium	zz-menneske-no-06911818-base.sdk
1 medium	zz-menneske-no-06911894-base.sdk
1 medium	zz-menneske-no-06912222-base.sdk
1 medium	zz-menneske-no-06912234-base.sdk
1 medium	zz-menneske-no-06912341-base.sdk
1 medium	zz-menneske-no-06912567-base.sdk
1 medium	zz-menneske-no-06912583-base.sdk
1 medium	zz-menneske-no-06912919-base.sdk
1 medium	zz-menneske-no-06912949-base.sdk
1 medium	zz-menneske-no-06913216-base.sdk
1 medium	zz-menneske-no-06913279-base.sdk
1 medium	zz-menneske-no-06913596-base.sdk
1 medium	zz-menneske-no-06913681-base.sdk
1 medium	zz-sudoku-de-601842-base.sdk
1 medium	zz-sudoku-de-602142-base.sdk
1 medium	zz-sudoku-de-603428-base.sdk
1 medium	zz-sudoku-de-620657-base.sdk
1 medium	zz-sudoku-de-622251-base.sdk
1 medium	zz-sudoku-de-626776-base.sdk
1 medium	zz-sudoku-de-635431-base.sdk
1 medium	zz-sudoku-de-636873-base.sdk
1 medium	zz-sudoku-de-639650-base.sdk
1 medium	zz-sudoku-de-640978-base.sdk
1 medium	zz-sudoku-de-651186-base.sdk
1 medium	zz-sudoku-de-652632-base.sdk
1 medium	zz-sudoku-de-657771-base.sdk
1 medium	zz-sudoku-de-665801-base.sdk
1 medium	zz-sudoku-de-677379-base.sdk
1 medium	zz-sudoku-de-678907-base.sdk
1 medium	zz-sudoku-de-680159-base.sdk
1 medium	zz-sudoku-de-691604-base.sdk
1 medium	zz-sudoku-de-692870-base.sdk
1 medium	zz-sudoku-de-697744-base.sdk
1 medium	zz-sudoku-de-702316-base.sdk
1 medium	zz-sudoku-de-703274-base.sdk
1 medium	zz-sudoku-de-705274-base.sdk
1 medium	zz-sudoku-de-706185-base.sdk
1 medium	zz-sudoku-de-707313-base.sdk
1 medium	zz-sudoku-de-709857-base.sdk
1 medium	zz-sudoku-de-710629-base.sdk
1 medium	zz-sudoku-de-717677-base.sdk
1 medium	zz-sudoku-de-719598-base.sdk
1 medium	zz-sudoku-de-720321-base.sdk
1 medium	zz-sudoku-de-722388-base.sdk
1 medium	zz-sudoku-de-734203-base.sdk
1 medium	zz-sudoku-de-739475-base.sdk
1 medium	zz-sudoku-de-741856-base.sdk
1 medium	zz-sudoku-de-752645-base.sdk
1 medium	zz-sudoku-de-754055-base.sdk
1 medium	zz-sudoku-de-759127-base.sdk
1 medium	zz-sudoku-de-761453-base.sdk
1 medium	zz-sudoku-de-767664-base.sdk

HDP Level	Sudoku
1 medium	zz-sudoku-de-770757-base.sdk
1 medium	zz-sudoku-de-772112-base.sdk
1 medium	zz-sudoku-de-773218-base.sdk
1 medium	zz-sudoku-de-777320-base.sdk
1 medium	zz-sudoku-de-781180-base.sdk
1 medium	zz-sudoku-de-787906-base.sdk
1 medium	zz-sudoku-de-792840-base.sdk
1 medium	zz-sudoku-de-796090-base.sdk
1 medium	zz-werner-guess-000-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060101-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060315-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060316-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060317-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060318-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060319-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060320-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060321-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060322-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060323-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060324-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060325-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060326-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060327-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060328-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060329-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060330-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060331-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060401-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060402-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060403-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060404-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060405-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060406-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060407-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060408-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060409-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060410-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060411-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060412-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060413-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060414-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060415-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060416-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060417-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060418-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060419-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060420-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060421-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060422-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060423-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060424-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060425-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060426-absurd-base.sdk















HDP Level	Sudoku
1 medium	zz-www.sudokuwiki.org-0010-base.sdk
1 medium	zz-www.sudokuwiki.org-0011-base.sdk
1 medium	zz-www.sudokuwiki.org-0012-base.sdk
1 medium	zz-www.sudokuwiki.org-0013-base.sdk
1 medium	zz-www.sudokuwiki.org-0014-base.sdk
1 medium	zz-www.sudokuwiki.org-0016-base.sdk
1 medium	zz-www.sudokuwiki.org-0017-base.sdk
1 medium	zz-www.sudokuwiki.org-0018-base.sdk
1 medium	zz-www.sudokuwiki.org-0020-base.sdk
1 medium	zz-www.sudokuwiki.org-0021-base.sdk
1 medium	zz-www.sudokuwiki.org-0022-base.sdk
1 medium	zz-www.sudokuwiki.org-0023-base.sdk
1 medium	zz-www.sudokuwiki.org-0024-base.sdk
1 medium	zz-www.sudokuwiki.org-0025-base.sdk
1 medium	zz-www.sudokuwiki.org-0026-base.sdk
1 medium	zz-www.sudokuwiki.org-0027-base.sdk
1 medium	zz-www.sudokuwiki.org-0030-base.sdk
1 medium	zz-www.sudokuwiki.org-0031-base.sdk
1 medium	zz-www.sudokuwiki.org-0032-base.sdk
1 medium	zz-www.sudokuwiki.org-0033-base.sdk
1 medium	zz-www.sudokuwiki.org-0034-base.sdk
1 medium	zz-www.sudokuwiki.org-0035-base.sdk
1 medium	zz-www.sudokuwiki.org-0036-base.sdk
1 medium	zz-www.sudokuwiki.org-0038-base.sdk
1 medium	zz-www.sudokuwiki.org-0039-base.sdk
1 medium	zz-www.sudokuwiki.org-0040-base.sdk
1 medium	zz-www.sudokuwiki.org-0041-base.sdk
1 medium	zz-www.sudokuwiki.org-0042-base.sdk
1 medium	zz-www.sudokuwiki.org-0043-base.sdk
1 medium	zz-www.sudokuwiki.org-0044-base.sdk
1 medium	zz-www.sudokuwiki.org-0045-base.sdk
1 medium	zz-www.sudokuwiki.org-0046-base.sdk
1 medium	zz-www.sudokuwiki.org-0047-base.sdk
1 medium	zz-www.sudokuwiki.org-0048-base.sdk
1 medium	zz-www.sudokuwiki.org-0050-base.sdk
1 medium	zz-www.sudokuwiki.org-0053-base.sdk
1 medium	zz-www.sudokuwiki.org-0057-base.sdk
1 medium	zz-www.sudokuwiki.org-0058-base.sdk
1 medium	zz-www.sudokuwiki.org-0059-base.sdk
1 medium	zz-www.sudokuwiki.org-0061-base.sdk
1 medium	zz-www.sudokuwiki.org-0062-base.sdk
1 medium	zz-www.sudokuwiki.org-0064-base.sdk
1 medium	zz-www.sudokuwiki.org-0065-base.sdk
1 medium	zz-www.sudokuwiki.org-0067-base.sdk
1 medium	zz-www.sudokuwiki.org-0068-base.sdk
1 medium	zz-www.sudokuwiki.org-0069-base.sdk
1 medium	zz-www.sudokuwiki.org-0070-base.sdk
1 medium	zz-www.sudokuwiki.org-0071-base.sdk
1 medium	zz-www.sudokuwiki.org-0073-base.sdk
1 medium	zz-www.sudokuwiki.org-0074-base.sdk
1 medium	zz-www.sudokuwiki.org-0075-base.sdk
1 medium	zz-www.sudokuwiki.org-0076-base.sdk
1 medium	zz-www.sudokuwiki.org-0078-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuwiki.org-0079-base.sdk
1 medium	zz-www.sudokuwiki.org-0080-base.sdk
1 medium	zz-www.sudokuwiki.org-0081-base.sdk
1 medium	zz-www.sudokuwiki.org-0082-base.sdk
1 medium	zz-www.sudokuwiki.org-0083-base.sdk
1 medium	zz-www.sudokuwiki.org-0084-base.sdk
1 medium	zz-www.sudokuwiki.org-0086-base.sdk
1 medium	zz-www.sudokuwiki.org-0087-base.sdk
1 medium	zz-www.sudokuwiki.org-0088-base.sdk
1 medium	zz-www.sudokuwiki.org-0089-base.sdk
1 medium	zz-www.sudokuwiki.org-0090-base.sdk
1 medium	zz-www.sudokuwiki.org-0091-base.sdk
1 medium	zz-www.sudokuwiki.org-0092-base.sdk
1 medium	zz-www.sudokuwiki.org-0093-base.sdk
1 medium	zz-www.sudokuwiki.org-0095-base.sdk
1 medium	zz-www.sudokuwiki.org-0096-base.sdk
1 medium	zz-www.sudokuwiki.org-0097-base.sdk
1 medium	zz-www.sudokuwiki.org-0100-base.sdk
1 medium	zz-www.sudokuwiki.org-0102-base.sdk
1 medium	zz-www.sudokuwiki.org-0103-base.sdk
1 medium	zz-www.sudokuwiki.org-0104-base.sdk
1 medium	zz-www.sudokuwiki.org-0105-base.sdk
1 medium	zz-www.sudokuwiki.org-0106-base.sdk
1 medium	zz-www.sudokuwiki.org-0107-base.sdk
1 medium	zz-www.sudokuwiki.org-0108-base.sdk
1 medium	zz-www.sudokuwiki.org-0109-base.sdk
1 medium	zz-www.sudokuwiki.org-0110-base.sdk
1 medium	zz-www.sudokuwiki.org-0111-base.sdk
1 medium	zz-www.sudokuwiki.org-0112-base.sdk
1 medium	zz-www.sudokuwiki.org-0114-base.sdk
1 medium	zz-www.sudokuwiki.org-0115-base.sdk
1 medium	zz-www.sudokuwiki.org-0116-base.sdk
1 medium	zz-www.sudokuwiki.org-0117-base.sdk
1 medium	zz-www.sudokuwiki.org-0118-base.sdk
1 medium	zz-www.sudokuwiki.org-0119-base.sdk
1 medium	zz-www.sudokuwiki.org-0120-base.sdk
1 medium	zz-www.sudokuwiki.org-0121-base.sdk
1 medium	zz-www.sudokuwiki.org-0122-base.sdk
1 medium	zz-www.sudokuwiki.org-0123-base.sdk
1 medium	zz-www.sudokuwiki.org-0124-base.sdk
1 medium	zz-www.sudokuwiki.org-0125-base.sdk
1 medium	zz-www.sudokuwiki.org-0126-base.sdk
1 medium	zz-www.sudokuwiki.org-0127-base.sdk
1 medium	zz-www.sudokuwiki.org-0128-base.sdk
1 medium	zz-www.sudokuwiki.org-0129-base.sdk
1 medium	zz-www.sudokuwiki.org-0130-base.sdk
1 medium	zz-www.sudokuwiki.org-0131-base.sdk
1 medium	zz-www.sudokuwiki.org-0132-base.sdk
1 medium	zz-www.sudokuwiki.org-0133-base.sdk
1 medium	zz-www.sudokuwiki.org-0134-base.sdk
1 medium	zz-www.sudokuwiki.org-0135-base.sdk
1 medium	zz-www.sudokuwiki.org-0137-base.sdk
1 medium	zz-www.sudokuwiki.org-0138-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuwiki.org-0140-base.sdk
1 medium	zz-www.sudokuwiki.org-0141-base.sdk
1 medium	zz-www.sudokuwiki.org-0142-base.sdk
1 medium	zz-www.sudokuwiki.org-0147-base.sdk
1 medium	zz-www.sudokuwiki.org-0148-base.sdk
1 medium	zz-www.sudokuwiki.org-0149-base.sdk
1 medium	zz-www.sudokuwiki.org-0150-base.sdk
1 medium	zz-www.sudokuwiki.org-0151-base.sdk
1 medium	zz-www.sudokuwiki.org-0152-base.sdk
1 medium	zz-www.sudokuwiki.org-0153-base.sdk
1 medium	zz-www.sudokuwiki.org-0263-base.sdk
1 medium	zz-www.sudokuwiki.org-0266-base.sdk
1 medium	zz-www.sudokuwiki.org-0268-base.sdk
1 medium	zz-www.sudokuwiki.org-0277-base.sdk
1 medium	zz-www.sudokuwiki.org-0278-base.sdk
1 medium	zz-www.sudokuwiki.org-0280-base.sdk
1 medium	zz-www.sudokuwiki.org-0281-base.sdk
1 medium	zz-www.sudokuwiki.org-0283-base.sdk
1 medium	zz-www.sudokuwiki.org-0287-base.sdk
1 medium	zz-www.sudokuwiki.org-0342-base.sdk
1 medium	zz-www.sudokuwiki.org-interesting-5x5-blank-center-base.sdk
1 medium	zz-www.sudokuwiki.org-interesting-anchor-base.sdk
1 medium	zz-www.sudokuwiki.org-interesting-squeezed-naughts-base.sdk
1 medium	zz-www.sudokuwiki.org-nine-empty-units.sdk
2 hard	xx-tarx0134-base.sdk
2 hard	xx-top500-088-base.sdk
2 hard	xx-top500-200-base.sdk
2 hard	xx-top500-206-base.sdk
2 hard	xx-top500-297-base.sdk
2 hard	xx-top500-343-base.sdk
2 hard	xx-top500-391-base.sdk
2 hard	xx-top500-402-base.sdk
2 hard	xx-top500-476-base.sdk
2 hard	xx-top95-045-base.sdk
2 hard	xx-top95-048-base.sdk
2 hard	xx-top95-066-base.sdk
2 hard	xx-top95-066-work.sdk
2 hard	xx-top95-069-base.sdk
2 hard	xx-top95-072-base.sdk
2 hard	zz-www.sudokuwiki.org-0006-base.sdk
2 hard	zz-www.sudokuwiki.org-0015-base.sdk
2 hard	zz-www.sudokuwiki.org-0019-base.sdk
2 hard	zz-www.sudokuwiki.org-0029-base.sdk
2 hard	zz-www.sudokuwiki.org-0037-base.sdk
2 hard	zz-www.sudokuwiki.org-0051-base.sdk
2 hard	zz-www.sudokuwiki.org-0052-base.sdk
2 hard	zz-www.sudokuwiki.org-0054-base.sdk
2 hard	zz-www.sudokuwiki.org-0055-base.sdk
2 hard	zz-www.sudokuwiki.org-0056-base.sdk
2 hard	zz-www.sudokuwiki.org-0060-base.sdk
2 hard	zz-www.sudokuwiki.org-0063-base.sdk
2 hard	zz-www.sudokuwiki.org-0072-base.sdk
2 hard	zz-www.sudokuwiki.org-0077-base.sdk

HDP Level	Sudoku
2 hard	zz-www.sudokuwiki.org-0094-base.sdk
2 hard	zz-www.sudokuwiki.org-0098-base.sdk
2 hard	zz-www.sudokuwiki.org-0099-base.sdk
2 hard	zz-www.sudokuwiki.org-0101-base.sdk
2 hard	zz-www.sudokuwiki.org-0113-base.sdk
2 hard	zz-www.sudokuwiki.org-0136-base.sdk
2 hard	zz-www.sudokuwiki.org-0139-base.sdk
2 hard	zz-www.sudokuwiki.org-0154-base.sdk
2 hard	zz-www.sudokuwiki.org-0179-base.sdk
2 hard	zz-www.sudokuwiki.org-0182-base.sdk
2 hard	zz-www.sudokuwiki.org-0194-base.sdk
2 hard	zz-www.sudokuwiki.org-0202-base.sdk
2 hard	zz-www.sudokuwiki.org-0207-base.sdk
2 hard	zz-www.sudokuwiki.org-0209-base.sdk
2 hard	zz-www.sudokuwiki.org-0237-base.sdk
2 hard	zz-www.sudokuwiki.org-0248-base.sdk
2 hard	zz-www.sudokuwiki.org-0264-base.sdk
2 hard	zz-www.sudokuwiki.org-0269-base.sdk
2 hard	zz-www.sudokuwiki.org-0272-base.sdk
2 hard	zz-www.sudokuwiki.org-0273-base.sdk
2 hard	zz-www.sudokuwiki.org-0282-base.sdk
2 hard	zz-www.sudokuwiki.org-0284-base.sdk
2 hard	zz-www.sudokuwiki.org-0285-base.sdk
2 hard	zz-www.sudokuwiki.org-0286-base.sdk
2 hard	zz-www.sudokuwiki.org-0288-base.sdk
2 hard	zz-www.sudokuwiki.org-0319-base.sdk
2 hard	zz-www.sudokuwiki.org-0321-base.sdk
2 hard	zz-www.sudokuwiki.org-0324-base.sdk
3 deep	xx-tarx0012-base.sdk
3 deep	xx-top500-112-base.sdk
3 deep	xx-top500-156-base.sdk
3 deep	xx-top500-296-base.sdk
3 deep	xx-top500-397-base.sdk
3 deep	xx-top500-409-base.sdk
3 deep	xx-top500-414-base.sdk
3 deep	xx-top500-450-base.sdk
3 deep	xx-top500-456-base.sdk
3 deep	xx-top500-463-base.sdk
3 deep	zz-www.sudokuwiki.org-0301-base.sdk
4 very deep	xx-Red_Dwarf-base.sdk
4 very deep	xx-tarx0136-base.sdk
4 very deep	zz-www.sudokuwiki.org-0171-base.sdk
4 very deep	zz-www.sudokuwiki.org-0203-base.sdk
4 very deep	zz-www.sudokuwiki.org-0227-base.sdk
4 very deep	zz-www.sudokuwiki.org-0238-base.sdk
4 very deep	zz-www.sudokuwiki.org-0239-base.sdk
4 very deep	zz-www.sudokuwiki.org-0255-base.sdk
4 very deep	zz-www.sudokuwiki.org-0256-base.sdk
4 very deep	zz-www.sudokuwiki.org-0265-base.sdk
2 hard	xx-AI-Escargot-work.sdk
2 hard	xx-cola095_16_6_10_1_136K_1BB_r5c9_r3c8_r7c7_1BB_r6c9_r3c8_r7c7_1_7_32K-base.sdk
2 hard	xx-cola199_33_0_14_0_243K_1BB_r8c9_r2c7_r4c8_BBr89c9_r2c7_r4c8_-base.sdk
2 hard	xx-cola317_79_7_17_0_151K_1BB_r2c7_r4c8_r7c9_4_7_69K-base.sdk



HDP Level	Sudoku
2 hard	xx-cola351_56_5_48_0_466K_1BB_r2c7_r4c8_r7c9_5_5_110K-base.sdk
2 hard	xx-colx062-base.sdk
2 hard	xx-colx1665-base.sdk
2 hard	xx-colx467-base.sdk
2 hard	xx-coly001-base.sdk
2 hard	xx-coly006-base.sdk
2 hard	xx-coly009-base.sdk
2 hard	xx-coly010-base.sdk
2 hard	xx-coly012-base.sdk
2 hard	xx-HardestSudokusThread-00205-base.sdk
2 hard	xx-HardestSudokusThread-00206-base.sdk
2 hard	xx-pearly6000-3819-base.sdk
2 hard	xx-ph-00000044-H7-base.sdk
2 hard	xx-ph-00000149-123-base.sdk
2 hard	xx-ph-00014315-kz1a-base.sdk
2 hard	xx-ph-00024392-KC40b-base.sdk
2 hard	xx-ph-00033190-2012_04-base.sdk
2 hard	xx-ph-00033318-2012_04-base.sdk
2 hard	xx-ph-00976033-13_03-base.sdk
2 hard	xx-ph-01115626-13_09-base.sdk
2 hard	xx-ph-01115833-13_09-base.sdk
2 hard	xx-ph-01627975-14_09-base.sdk
2 hard	xx-ph-02210350-2018_12_06-base.sdk
2 hard	xx-ph-02236627-2018_12_25-base.sdk
2 hard	xx-ph-02345674-2019_05_01-base.sdk
2 hard	xx-ph-02716632-2019_08_1120_160-base.sdk
2 hard	xx-tarx0005-base.sdk
2 hard	xx-tarx0062-base.sdk
2 hard	xx-tarx0067-base.sdk
2 hard	xx-tarx0131-base.sdk
2 hard	xx-tarx0139-base.sdk
2 hard	xx-tarx0140-base.sdk
2 hard	xx-tarx0141-base.sdk
2 hard	xx-TungstonRod-base.sdk
2 hard	xx-worlds-hardest-sudoku-base.sdk
2 hard	zz-www.sudokuwiki.org-0161-base.sdk
2 hard	zz-www.sudokuwiki.org-0170-base.sdk
2 hard	zz-www.sudokuwiki.org-0173-base.sdk
2 hard	zz-www.sudokuwiki.org-0185-base.sdk
2 hard	zz-www.sudokuwiki.org-0189-base.sdk
2 hard	zz-www.sudokuwiki.org-0192-base.sdk
2 hard	zz-www.sudokuwiki.org-0205-base.sdk
2 hard	zz-www.sudokuwiki.org-0210-base.sdk
2 hard	zz-www.sudokuwiki.org-0214-base.sdk
2 hard	zz-www.sudokuwiki.org-0223-base.sdk
2 hard	zz-www.sudokuwiki.org-0229-base.sdk
2 hard	zz-www.sudokuwiki.org-0257-base.sdk
2 hard	zz-www.sudokuwiki.org-0279-base.sdk
2 hard	zz-www.sudokuwiki.org-0294-base.sdk
2 hard	zz-www.sudokuwiki.org-0295-base.sdk
2 hard	zz-www.sudokuwiki.org-0296-base.sdk
2 hard	zz-www.sudokuwiki.org-0309-base.sdk
2 hard	zz-www.sudokuwiki.org-0313-base.sdk



HDP Level	Sudoku
2 hard	zz-www.sudokuwiki.org-0314-base.sdk
2 hard	zz-www.sudokuwiki.org-0323-base.sdk
2 hard	zz-www.sudokuwiki.org-0328-base.sdk
2 hard	zz-www.sudokuwiki.org-0330-base.sdk
2 hard	zz-www.sudokuwiki.org-0331-base.sdk
2 hard	zz-www.sudokuwiki.org-0332-base.sdk
2 hard	zz-www.sudokuwiki.org-0334-base.sdk
2 hard	zz-www.sudokuwiki.org-0335-base.sdk
2 hard	zz-www.sudokuwiki.org-0336-base.sdk
2 hard	zz-www.sudokuwiki.org-0343-base.sdk
2 hard	zz-www.sudokuwiki.org-0345-base.sdk
3 deep	xx-cola036_44_8_21_4_441K_34_9_256K-base.sdk
3 deep	xx-cola093_30_1_15_2_260K_BBr3c1246_r4c8_r7c9_BBr12c7_r4c8_r7c9_21_5_170K-base.sdk
3 deep	xx-cola259_26_3_11_6_240K_BBr3c1246_r4c8_r7c9_BBr12c7_r4c8_r7c9_BBr5689c9_r3c7_r4c8_26_6_208K-
3 deep	xx-cola607_60_8_32_0_398K_38_0_229K-base.sdk
3 deep	xx-colx001-base.sdk
3 deep	xx-coly004-base.sdk
3 deep	xx-HardestSudokuThread-00220-base.sdk
3 deep	xx-HardestSudokuThread-00221-base.sdk
3 deep	xx-Imam_bayildi-base.sdk
3 deep	xx-ph-00000006-2-base.sdk
3 deep	xx-ph-00000030-5-base.sdk
3 deep	xx-ph-00000033-6-base.sdk
3 deep	xx-ph-00000036-H5-base.sdk
3 deep	xx-ph-00000043-H6-base.sdk
3 deep	xx-ph-00000063-23-base.sdk
3 deep	xx-ph-00000068-25-base.sdk
3 deep	xx-ph-00000090-45-base.sdk
3 deep	xx-ph-00000095-48-base.sdk
3 deep	xx-ph-00000106-50-base.sdk
3 deep	xx-ph-00000110-52-base.sdk
3 deep	xx-ph-00000113-57-base.sdk
3 deep	xx-ph-00000123-H16-base.sdk
3 deep	xx-ph-00000127-H17-base.sdk
3 deep	xx-ph-00000129-113-base.sdk
3 deep	xx-ph-00000143-121-base.sdk
3 deep	xx-ph-00000151-H4-base.sdk
3 deep	xx-ph-00000152-126-base.sdk
3 deep	xx-ph-00009375-cy4-base.sdk
3 deep	xx-ph-00014293-kz1a-base.sdk
3 deep	xx-ph-00015845-Kz1_b-base.sdk
3 deep	xx-ph-00018757-KZ1C-base.sdk
3 deep	xx-ph-00019524-KZ1C-base.sdk
3 deep	xx-ph-00019768-KZ1C-base.sdk
3 deep	xx-ph-00023862-KZ1C-base.sdk
3 deep	xx-ph-00029132-2011_12-base.sdk
3 deep	xx-ph-00033117-2012_04-base.sdk
3 deep	xx-ph-00033460-2012_04-base.sdk
3 deep	xx-ph-00034190-12_05-base.sdk
3 deep	xx-ph-00034395-12_05-base.sdk
3 deep	xx-ph-00034687-12_05-base.sdk
3 deep	xx-ph-00035011-12_05-base.sdk
3 deep	xx-ph-00035012-12_05-base.sdk

HDP Level	Sudoku
3 deep	xx-ph-00035013-12_05-base.sdk
3 deep	xx-ph-00225595-ig193-base.sdk
3 deep	xx-ph-00247918-12_12_03-base.sdk
3 deep	xx-ph-00247926-12_12_03-base.sdk
3 deep	xx-ph-00247932-12_12_03-base.sdk
3 deep	xx-ph-00247962-12_12_03-base.sdk
3 deep	xx-ph-00247966-12_12_03-base.sdk
3 deep	xx-ph-00247982-12_12_03-base.sdk
3 deep	xx-ph-00247983-12_12_03-base.sdk
3 deep	xx-ph-00247985-12_12_03-base.sdk
3 deep	xx-ph-00247986-12_12_03-base.sdk
3 deep	xx-ph-00248044-12_12_03-base.sdk
3 deep	xx-ph-00248045-12_12_03-base.sdk
3 deep	xx-ph-00248049-12_12_03-base.sdk
3 deep	xx-ph-00248065-12_12_03-base.sdk
3 deep	xx-ph-00248068-12_12_03-base.sdk
3 deep	xx-ph-00248071-12_12_03-base.sdk
3 deep	xx-ph-00248078-12_12_03-base.sdk
3 deep	xx-ph-00295591-12_12_03-base.sdk
3 deep	xx-ph-00635330-12_12-base.sdk
3 deep	xx-ph-00762564-12_12_17s-base.sdk
3 deep	xx-ph-00762566-12_12_17s-base.sdk
3 deep	xx-ph-00762568-12_12_17s-base.sdk
3 deep	xx-ph-00762572-12_12_17s-base.sdk
3 deep	xx-ph-01115818-13_09-base.sdk
3 deep	xx-ph-01116334-13_09-base.sdk
3 deep	xx-ph-01116420-13_09-base.sdk
3 deep	xx-ph-01116460-13_09-base.sdk
3 deep	xx-ph-01122307-13_09-base.sdk
3 deep	xx-ph-02123939-2018_11_28-base.sdk
3 deep	xx-ph-02123946-2018_11_28-base.sdk
3 deep	xx-ph-02123948-2018_11_28-base.sdk
3 deep	xx-ph-02123949-2018_11_28-base.sdk
3 deep	xx-ph-02123950-2018_11_28-base.sdk
3 deep	xx-ph-02123953-2018_11_28-base.sdk
3 deep	xx-ph-02123954-2018_11_28-base.sdk
3 deep	xx-ph-02123962-2018_11_28-base.sdk
3 deep	xx-ph-02123965-2018_12_01-base.sdk
3 deep	xx-ph-02123972-2018_12_01-base.sdk
3 deep	xx-ph-02123973-2018_12_01-base.sdk
3 deep	xx-ph-02123974-2018_12_01-base.sdk
3 deep	xx-ph-02123975-2018_12_01-base.sdk
3 deep	xx-ph-02123976-2018_12_01-base.sdk
3 deep	xx-ph-02123977-2018_12_01-base.sdk
3 deep	xx-ph-02123978-2018_12_01-base.sdk
3 deep	xx-ph-02123982-2018_12_01-base.sdk
3 deep	xx-ph-02123983-2018_12_01-base.sdk
3 deep	xx-ph-02123990-2018_12_01-base.sdk
3 deep	xx-ph-02123991-2018_12_01-base.sdk
3 deep	xx-ph-02123992-2018_12_01-base.sdk
3 deep	xx-ph-02123993-2018_12_01-base.sdk
3 deep	xx-ph-02123994-2018_12_01-base.sdk
3 deep	xx-ph-02123996-2018_12_01-base.sdk

HDP Level	Sudoku
3 deep	xx-ph-02123997-2018_12_01-base.sdk
3 deep	xx-ph-02123998-2018_12_01-base.sdk
3 deep	xx-ph-02123999-2018_12_01-base.sdk
3 deep	xx-ph-02124000-2018_12_01-base.sdk
3 deep	xx-ph-02124001-2018_12_01-base.sdk
3 deep	xx-ph-02210324-2018_12_06-base.sdk
3 deep	xx-ph-02210325-2018_12_06-base.sdk
3 deep	xx-ph-02210356-2018_12_06-base.sdk
3 deep	xx-ph-02210357-2018_12_06-base.sdk
3 deep	xx-ph-02210362-2018_12_06-base.sdk
3 deep	xx-ph-02210363-2018_12_06-base.sdk
3 deep	xx-ph-02236637-2018_12_25-base.sdk
3 deep	xx-ph-02236966-2019_01_07-base.sdk
3 deep	xx-ph-02236990-2019_01_07-base.sdk
3 deep	xx-ph-02237035-2019_01_07-base.sdk
3 deep	xx-ph-02237036-2019_01_07-base.sdk
3 deep	xx-ph-02237037-2019_01_07-base.sdk
3 deep	xx-ph-02316407-2019_01_13-base.sdk
3 deep	xx-ph-02316408-2019_01_13-base.sdk
3 deep	xx-ph-02316409-2019_01_13-base.sdk
3 deep	xx-ph-02316410-2019_01_13-base.sdk
3 deep	xx-ph-02316411-2019_01_13-base.sdk
3 deep	xx-ph-02316417-2019_01_13-base.sdk
3 deep	xx-ph-02320323-2019_03_18-base.sdk
3 deep	xx-ph-02487238-2019_08_05_a-base.sdk
3 deep	xx-ph-02487239-2019_08_05_a-base.sdk
3 deep	xx-ph-02487793-2019_08_05_a-base.sdk
3 deep	xx-ph-02487814-2019_08_05_a-base.sdk
3 deep	xx-tarx0037-base.sdk
3 deep	xx-tarx0052-base.sdk
3 deep	zz-www.sudokuwiki.org-0085-base.sdk
3 deep	zz-www.sudokuwiki.org-0157-base.sdk
3 deep	zz-www.sudokuwiki.org-0158-base.sdk
3 deep	zz-www.sudokuwiki.org-0160-base.sdk
3 deep	zz-www.sudokuwiki.org-0172-base.sdk
3 deep	zz-www.sudokuwiki.org-0198-base.sdk
3 deep	zz-www.sudokuwiki.org-0206-base.sdk
3 deep	zz-www.sudokuwiki.org-0213-base.sdk
3 deep	zz-www.sudokuwiki.org-0221-base.sdk
3 deep	zz-www.sudokuwiki.org-0224-base.sdk
3 deep	zz-www.sudokuwiki.org-0226-base.sdk
3 deep	zz-www.sudokuwiki.org-0230-base.sdk
3 deep	zz-www.sudokuwiki.org-0231-base.sdk
3 deep	zz-www.sudokuwiki.org-0232-base.sdk
3 deep	zz-www.sudokuwiki.org-0251-base.sdk
3 deep	zz-www.sudokuwiki.org-0252-base.sdk
3 deep	zz-www.sudokuwiki.org-0259-base.sdk
3 deep	zz-www.sudokuwiki.org-0260-base.sdk
3 deep	zz-www.sudokuwiki.org-0289-base.sdk
3 deep	zz-www.sudokuwiki.org-0291-base.sdk
3 deep	zz-www.sudokuwiki.org-0292-base.sdk
3 deep	zz-www.sudokuwiki.org-0298-base.sdk
3 deep	zz-www.sudokuwiki.org-0299-base.sdk

HDP Level	Sudoku
3 deep	zz-www.sudokuwiki.org-0302-base.sdk
3 deep	zz-www.sudokuwiki.org-0307-base.sdk
3 deep	zz-www.sudokuwiki.org-0308-base.sdk
3 deep	zz-www.sudokuwiki.org-0311-base.sdk
3 deep	zz-www.sudokuwiki.org-0312-base.sdk
3 deep	zz-www.sudokuwiki.org-0316-base.sdk
3 deep	zz-www.sudokuwiki.org-0320-base.sdk
3 deep	zz-www.sudokuwiki.org-0322-base.sdk
3 deep	zz-www.sudokuwiki.org-0325-base.sdk
3 deep	zz-www.sudokuwiki.org-0326-base.sdk
3 deep	zz-www.sudokuwiki.org-0327-base.sdk
3 deep	zz-www.sudokuwiki.org-0329-base.sdk
3 deep	zz-www.sudokuwiki.org-0333-base.sdk
3 deep	zz-www.sudokuwiki.org-0337-base.sdk
3 deep	zz-www.sudokuwiki.org-0338-base.sdk
3 deep	zz-www.sudokuwiki.org-0339-base.sdk
3 deep	zz-www.sudokuwiki.org-0340-base.sdk
3 deep	zz-www.sudokuwiki.org-0344-base.sdk
4 very deep	xx-CloudyBay-base.sdk
4 very deep	xx-cola076_26_6_13_4_180K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_15_1_113K-base.sdk
4 very deep	xx-cola091_50_2_54_1_496K_1BB_r4c3_r5c4_r6c8_6_6_105K-base.sdk
4 very deep	xx-cola239_43_9_46_9_315K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_8_7_33K-base.sdk
4 very deep	xx-cola268_56_9_46_1_320K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_8_7_33K-base.sdk
4 very deep	xx-cola548_11_2_13_0_144K_BBr4c13_r5c4_r6c8_BBr6c56_r4c8_r5c2_14_8_138K-base.sdk
4 very deep	xx-cola646_68_7_65_5_668K_1BB_r6c9_r3c8_r7c7_4_4_96K-base.sdk
4 very deep	xx-coly007-base.sdk
4 very deep	xx-coly008-base.sdk
4 very deep	xx-coly013-base.sdk
4 very deep	xx-coly707_63_1_217K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_12_7_print_51K-base.sdk
4 very deep	xx-coly885_85_0_325K_BBr12c_r4c8_r7c9_BB56c9_r3c8_r7c7_10_1_print_34K-base.sdk
4 very deep	xx-First_Peak-base.sdk
4 very deep	xx-HardestSudokusThread-00216-base.sdk
4 very deep	xx-HardestSudokusThread-00219-base.sdk
4 very deep	xx-HardestSudokusThread-00224-base.sdk
4 very deep	xx-HardestSudokusThread-00226-base.sdk
4 very deep	xx-pearly6000-3091-base.sdk
4 very deep	xx-pearly6000-3136-base.sdk
4 very deep	xx-pearly6000-3455-base.sdk
4 very deep	xx-ph-00000010-tarek-ultra-0203-base.sdk
4 very deep	xx-ph-00000053-H2-base.sdk
4 very deep	xx-ph-00000062-21-base.sdk
4 very deep	xx-ph-00000079-59-base.sdk
4 very deep	xx-ph-00000098-L8-base.sdk
4 very deep	xx-ph-00000116-56-base.sdk
4 very deep	xx-ph-00000120-39-base.sdk
4 very deep	xx-ph-00000124-40-base.sdk
4 very deep	xx-ph-00000128-111-base.sdk
4 very deep	xx-ph-00000130-112-base.sdk
4 very deep	xx-ph-00000131-115-base.sdk
4 very deep	xx-ph-00000136-117-base.sdk
4 very deep	xx-ph-00000138-119-base.sdk
4 very deep	xx-ph-00000139-120-base.sdk
4 very deep	xx-ph-00000145-118-base.sdk

HDP Level	Sudoku
4 very deep	xx-ph-00000146-122-base.sdk
4 very deep	xx-ph-00011494-kz0-base.sdk
4 very deep	xx-ph-00011886-kz0-base.sdk
4 very deep	xx-ph-00012132-kz0-base.sdk
4 very deep	xx-ph-00012575-kz0-base.sdk
4 very deep	xx-ph-00013796-kz0-base.sdk
4 very deep	xx-ph-00014423-kz1a-base.sdk
4 very deep	xx-ph-00014430-kz1a-base.sdk
4 very deep	xx-ph-00014431-kz1a-base.sdk
4 very deep	xx-ph-00014490-kz1a-base.sdk
4 very deep	xx-ph-00014515-kz1a-base.sdk
4 very deep	xx-ph-00015029-kz1a-base.sdk
4 very deep	xx-ph-00015497-kz1a-base.sdk
4 very deep	xx-ph-00018012-Kz1_b-base.sdk
4 very deep	xx-ph-00018695-KZ1C-base.sdk
4 very deep	xx-ph-00019088-KZ1C-base.sdk
4 very deep	xx-ph-00024245-KC40b-base.sdk
4 very deep	xx-ph-00025403-KC40b-base.sdk
4 very deep	xx-ph-00028103-2011_12-base.sdk
4 very deep	xx-ph-00029591-2011_12-base.sdk
4 very deep	xx-ph-00032976-2012_04-base.sdk
4 very deep	xx-ph-00033529-2012_04-base.sdk
4 very deep	xx-ph-00034761-12_05-base.sdk
4 very deep	xx-ph-00038403-12_07-base.sdk
4 very deep	xx-ph-00039917-12_07-base.sdk
4 very deep	xx-ph-00041789-12_07-base.sdk
4 very deep	xx-ph-00052234-12_10-base.sdk
4 very deep	xx-ph-00247940-12_12_03-base.sdk
4 very deep	xx-ph-00247944-12_12_03-base.sdk
4 very deep	xx-ph-00247945-12_12_03-base.sdk
4 very deep	xx-ph-00247955-12_12_03-base.sdk
4 very deep	xx-ph-00247956-12_12_03-base.sdk
4 very deep	xx-ph-00247971-12_12_03-base.sdk
4 very deep	xx-ph-00247981-12_12_03-base.sdk
4 very deep	xx-ph-00248001-12_12_03-base.sdk
4 very deep	xx-ph-00248002-12_12_03-base.sdk
4 very deep	xx-ph-00248025-12_12_03-base.sdk
4 very deep	xx-ph-00248026-12_12_03-base.sdk
4 very deep	xx-ph-00248035-12_12_03-base.sdk
4 very deep	xx-ph-00248061-12_12_03-base.sdk
4 very deep	xx-ph-00248073-12_12_03-base.sdk
4 very deep	xx-ph-00248081-12_12_03-base.sdk
4 very deep	xx-ph-00248082-12_12_03-base.sdk
4 very deep	xx-ph-00545578-12_12-base.sdk
4 very deep	xx-ph-00545579-12_12-base.sdk
4 very deep	xx-ph-00768268-13_01-base.sdk
4 very deep	xx-ph-00812514-13_01-base.sdk
4 very deep	xx-ph-01054674-13_07-base.sdk
4 very deep	xx-ph-01054841-13_07-base.sdk
4 very deep	xx-ph-01054842-13_07-base.sdk
4 very deep	xx-ph-01055645-13_07-base.sdk
4 very deep	xx-ph-01116210-13_09-base.sdk
4 very deep	xx-ph-01256070-13_12-base.sdk

HDP Level	Sudoku
4 very deep	xx-ph-01269948-13_12-base.sdk
4 very deep	xx-ph-01417181-14_06-base.sdk
4 very deep	xx-ph-01417259-14_06-base.sdk
4 very deep	xx-ph-01417550-14_06-base.sdk
4 very deep	xx-ph-01549795-14_09-base.sdk
4 very deep	xx-ph-01549900-14_09-base.sdk
4 very deep	xx-ph-01627773-14_09-base.sdk
4 very deep	xx-ph-01682994-2015_08-base.sdk
4 very deep	xx-ph-01683861-2015_08-base.sdk
4 very deep	xx-ph-01747674-2015_12-base.sdk
4 very deep	xx-ph-01834721-2016_04_23-base.sdk
4 very deep	xx-ph-01835324-2016_04_23-base.sdk
4 very deep	xx-ph-02123926-2018_11_26-base.sdk
4 very deep	xx-ph-02123927-2018_11_26-base.sdk
4 very deep	xx-ph-02123947-2018_11_28-base.sdk
4 very deep	xx-ph-02123952-2018_11_28-base.sdk
4 very deep	xx-ph-02123956-2018_11_28-base.sdk
4 very deep	xx-ph-02123957-2018_11_28-base.sdk
4 very deep	xx-ph-02126993-2018_12_01-base.sdk
4 very deep	xx-ph-02210332-2018_12_06-base.sdk
4 very deep	xx-ph-02210346-2018_12_06-base.sdk
4 very deep	xx-ph-02210366-2018_12_06-base.sdk
4 very deep	xx-ph-02236509-2018_12_25-base.sdk
4 very deep	xx-ph-02236548-2018_12_25-base.sdk
4 very deep	xx-ph-02236556-2018_12_25-base.sdk
4 very deep	xx-ph-02236560-2018_12_25-base.sdk
4 very deep	xx-ph-02236606-2018_12_25-base.sdk
4 very deep	xx-ph-02236687-2018_12_25-base.sdk
4 very deep	xx-ph-02236688-2018_12_25-base.sdk
4 very deep	xx-ph-02236731-2018_12_25-base.sdk
4 very deep	xx-ph-02236948-2019_01_07-base.sdk
4 very deep	xx-ph-02236956-2019_01_07-base.sdk
4 very deep	xx-ph-02236958-2019_01_07-base.sdk
4 very deep	xx-ph-02236970-2019_01_07-base.sdk
4 very deep	xx-ph-02236977-2019_01_07-base.sdk
4 very deep	xx-ph-02236978-2019_01_07-base.sdk
4 very deep	xx-ph-02237022-2019_01_07-base.sdk
4 very deep	xx-ph-02316271-2019_01_13-base.sdk
4 very deep	xx-ph-02316348-2019_01_13-base.sdk
4 very deep	xx-ph-02316353-2019_01_13-base.sdk
4 very deep	xx-ph-02316371-2019_01_13-base.sdk
4 very deep	xx-ph-02316372-2019_01_13-base.sdk
4 very deep	xx-ph-02316373-2019_01_13-base.sdk
4 very deep	xx-ph-02317040-2019_03_16-base.sdk
4 very deep	xx-ph-02318223-2019_03_16-base.sdk
4 very deep	xx-ph-02318848-2019_03_16-base.sdk
4 very deep	xx-ph-02320585-2019_03_16-base.sdk
4 very deep	xx-ph-02320681-2019_03_16-base.sdk
4 very deep	xx-ph-02320762-2019_03_16-base.sdk
4 very deep	xx-ph-02321192-2019_03_16-base.sdk
4 very deep	xx-ph-02345625-2019_04_28-base.sdk
4 very deep	xx-ph-02345626-2019_04_28-base.sdk
4 very deep	xx-ph-02345784-2019_05_01-base.sdk



HDP Level	Sudoku
4 very deep	xx-ph-02346197-2019_05_01-base.sdk
4 very deep	xx-ph-02346208-2019_05_01-base.sdk
4 very deep	xx-ph-02346281-2019_05_01-base.sdk
4 very deep	xx-ph-02487668-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488491-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488492-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488658-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488659-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488712-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488759-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488760-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488918-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488952-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489003-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489048-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489049-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489137-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489141-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489220-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489341-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489342-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489535-2019_08_05_a-base.sdk
4 very deep	xx-ph-02716727-2019_08_1120_160-base.sdk
4 very deep	xx-tarx0009-base.sdk
4 very deep	xx-tarx0018-base.sdk
4 very deep	xx-tarx0064-base.sdk
4 very deep	xx-tarx0075-base.sdk
4 very deep	xx-tarx0079-base.sdk
4 very deep	xx-tarx0103-base.sdk
4 very deep	xx-tarx0114-base.sdk
4 very deep	xx-tarx0130-base.sdk
4 very deep	xx-tarx0145-base.sdk
4 very deep	xx-tarx0146-base.sdk
4 very deep	xx-ultra0203-base.sdk
4 very deep	zz-www.sudokuwiki.org-0066-base.sdk
4 very deep	zz-www.sudokuwiki.org-0143-base.sdk
4 very deep	zz-www.sudokuwiki.org-0144-base.sdk
4 very deep	zz-www.sudokuwiki.org-0145-base.sdk
4 very deep	zz-www.sudokuwiki.org-0155-base.sdk
4 very deep	zz-www.sudokuwiki.org-0156-base.sdk
4 very deep	zz-www.sudokuwiki.org-0162-base.sdk
4 very deep	zz-www.sudokuwiki.org-0163-base.sdk
4 very deep	zz-www.sudokuwiki.org-0164-base.sdk
4 very deep	zz-www.sudokuwiki.org-0166-base.sdk
4 very deep	zz-www.sudokuwiki.org-0167-base.sdk
4 very deep	zz-www.sudokuwiki.org-0168-base.sdk
4 very deep	zz-www.sudokuwiki.org-0169-base.sdk
4 very deep	zz-www.sudokuwiki.org-0174-base.sdk
4 very deep	zz-www.sudokuwiki.org-0175-base.sdk
4 very deep	zz-www.sudokuwiki.org-0176-base.sdk
4 very deep	zz-www.sudokuwiki.org-0177-base.sdk
4 very deep	zz-www.sudokuwiki.org-0178-base.sdk
4 very deep	zz-www.sudokuwiki.org-0180-base.sdk



HDP Level	Sudoku
4 very deep	zz-www.sudokuwiki.org-0181-base.sdk
4 very deep	zz-www.sudokuwiki.org-0183-base.sdk
4 very deep	zz-www.sudokuwiki.org-0184-base.sdk
4 very deep	zz-www.sudokuwiki.org-0186-base.sdk
4 very deep	zz-www.sudokuwiki.org-0187-base.sdk
4 very deep	zz-www.sudokuwiki.org-0188-base.sdk
4 very deep	zz-www.sudokuwiki.org-0190-base.sdk
4 very deep	zz-www.sudokuwiki.org-0191-base.sdk
4 very deep	zz-www.sudokuwiki.org-0193-base.sdk
4 very deep	zz-www.sudokuwiki.org-0195-base.sdk
4 very deep	zz-www.sudokuwiki.org-0196-base.sdk
4 very deep	zz-www.sudokuwiki.org-0197-base.sdk
4 very deep	zz-www.sudokuwiki.org-0199-base.sdk
4 very deep	zz-www.sudokuwiki.org-0200-base.sdk
4 very deep	zz-www.sudokuwiki.org-0201-base.sdk
4 very deep	zz-www.sudokuwiki.org-0204-base.sdk
4 very deep	zz-www.sudokuwiki.org-0208-base.sdk
4 very deep	zz-www.sudokuwiki.org-0211-base.sdk
4 very deep	zz-www.sudokuwiki.org-0212-base.sdk
4 very deep	zz-www.sudokuwiki.org-0216-base.sdk
4 very deep	zz-www.sudokuwiki.org-0217-base.sdk
4 very deep	zz-www.sudokuwiki.org-0218-base.sdk
4 very deep	zz-www.sudokuwiki.org-0219-base.sdk
4 very deep	zz-www.sudokuwiki.org-0222-base.sdk
4 very deep	zz-www.sudokuwiki.org-0225-base.sdk
4 very deep	zz-www.sudokuwiki.org-0228-base.sdk
4 very deep	zz-www.sudokuwiki.org-0234-base.sdk
4 very deep	zz-www.sudokuwiki.org-0235-base.sdk
4 very deep	zz-www.sudokuwiki.org-0236-base.sdk
4 very deep	zz-www.sudokuwiki.org-0246-base.sdk
4 very deep	zz-www.sudokuwiki.org-0249-base.sdk
4 very deep	zz-www.sudokuwiki.org-0250-base.sdk
4 very deep	zz-www.sudokuwiki.org-0253-base.sdk
4 very deep	zz-www.sudokuwiki.org-0254-base.sdk
4 very deep	zz-www.sudokuwiki.org-0258-base.sdk
4 very deep	zz-www.sudokuwiki.org-0261-base.sdk
4 very deep	zz-www.sudokuwiki.org-0262-base.sdk
4 very deep	zz-www.sudokuwiki.org-0290-base.sdk
4 very deep	zz-www.sudokuwiki.org-0293-base.sdk
4 very deep	zz-www.sudokuwiki.org-0297-base.sdk
4 very deep	zz-www.sudokuwiki.org-0300-base.sdk
4 very deep	zz-www.sudokuwiki.org-0303-base.sdk
4 very deep	zz-www.sudokuwiki.org-0304-base.sdk
4 very deep	zz-www.sudokuwiki.org-0310-base.sdk
2 hard	xx-cola010_50_8_35_3_432K_3BBr12c7_r4c8_r7c9_5_8_154K-base.sdk
2 hard	xx-pearly6000-3774-base.sdk
2 hard	xx-ph-00000067-L6-base.sdk
2 hard	xx-ph-00000096-49-base.sdk
2 hard	xx-ph-00000115-55-base.sdk
2 hard	xx-ph-00000118-H11-base.sdk
2 hard	xx-ph-00019083-KZ1C-base.sdk
2 hard	xx-ph-00024410-KC40b-base.sdk
2 hard	xx-ph-00247935-12_12_03-base.sdk

HDP Level	Sudoku
2 hard	xx-ph-00247946-12_12_03-base.sdk
2 hard	xx-ph-00247973-12_12_03-base.sdk
2 hard	xx-ph-00248011-12_12_03-base.sdk
2 hard	xx-ph-00459479-12_12_03-base.sdk
2 hard	xx-ph-01416320-14_06-base.sdk
2 hard	xx-ph-01417363-14_06-base.sdk
2 hard	xx-ph-02210326-2018_12_06-base.sdk
2 hard	xx-ph-02316170-2019_3_5-base.sdk
2 hard	xx-ph-02317633-2019_03_16-base.sdk
2 hard	xx-ph-02318600-2019_03_16-base.sdk
2 hard	xx-ph-02320355-2019_03_16-base.sdk
2 hard	xx-ph-02321121-2019_03_16-base.sdk
2 hard	xx-tarx0003-base.sdk
2 hard	xx-tarx0004-base.sdk
2 hard	xx-tarx0010-base.sdk
2 hard	xx-tarx0011-base.sdk
2 hard	xx-tarx0014-base.sdk
2 hard	xx-tarx0035-base.sdk
2 hard	xx-tarx0051-base.sdk
2 hard	xx-tarx0059-base.sdk
2 hard	xx-tarx0061-base.sdk
2 hard	xx-tarx0080-base.sdk
2 hard	xx-tarx0137-base.sdk
3 deep	xx-Cheese-base.sdk
3 deep	xx-Cheese-check.sdk
3 deep	xx-cola117_34_3_13_9_243K_BBr12c7_r4c8_r7c9_17_6_151K-base.sdk
3 deep	xx-colx039-base.sdk
3 deep	xx-colx155-base.sdk
3 deep	xx-colx1890-base.sdk
3 deep	xx-coly002-base.sdk
3 deep	xx-dukdiamond2-base.sdk
3 deep	xx-HardestSudokusThread-00051-base.sdk
3 deep	xx-HardestSudokusThread-00055-base.sdk
3 deep	xx-HardestSudokusThread-00085-base.sdk
3 deep	xx-HardestSudokusThread-00087-base.sdk
3 deep	xx-HardestSudokusThread-00191-base.sdk
3 deep	xx-HardestSudokusThread-00214-base.sdk
3 deep	xx-HardestSudokusThread-00222-base.sdk
3 deep	xx-HardestSudokusThread-00223-base.sdk
3 deep	xx-HardestSudokusThread-00225-base.sdk
3 deep	xx-Kolk-base.sdk
3 deep	xx-pearly6000-1801-base.sdk
3 deep	xx-pearly6000-3046-base.sdk
3 deep	xx-ph-00000002-second_flush-base.sdk
3 deep	xx-ph-00000004-3-base.sdk
3 deep	xx-ph-00000008-16-base.sdk
3 deep	xx-ph-00000011-H1-base.sdk
3 deep	xx-ph-00000016-18-base.sdk
3 deep	xx-ph-00000022-m_b_metcalf-base.sdk
3 deep	xx-ph-00000025-H2-base.sdk
3 deep	xx-ph-00000026-H3-base.sdk
3 deep	xx-ph-00000027-13-base.sdk
3 deep	xx-ph-00000029-7-base.sdk

HDP Level	Sudoku
3 deep	xx-ph-00000034-8-base.sdk
3 deep	xx-ph-00000035-H4-base.sdk
3 deep	xx-ph-00000046-L2-base.sdk
3 deep	xx-ph-00000048-L3-base.sdk
3 deep	xx-ph-00000049-29-base.sdk
3 deep	xx-ph-00000065-22-base.sdk
3 deep	xx-ph-00000066-24-base.sdk
3 deep	xx-ph-00000070-19-base.sdk
3 deep	xx-ph-00000072-27-base.sdk
3 deep	xx-ph-00000085-62-base.sdk
3 deep	xx-ph-00000089-42-base.sdk
3 deep	xx-ph-00000093-46-base.sdk
3 deep	xx-ph-00000097-H9-base.sdk
3 deep	xx-ph-00000104-H13-base.sdk
3 deep	xx-ph-00000105-H14-base.sdk
3 deep	xx-ph-00000107-51-base.sdk
3 deep	xx-ph-00000108-54-base.sdk
3 deep	xx-ph-00000109-53-base.sdk
3 deep	xx-ph-00000111-H12-base.sdk
3 deep	xx-ph-00000112-H15-base.sdk
3 deep	xx-ph-00000114-L9-base.sdk
3 deep	xx-ph-00000119-L10-base.sdk
3 deep	xx-ph-00000121-35-base.sdk
3 deep	xx-ph-00000122-36-base.sdk
3 deep	xx-ph-00000147-124-base.sdk
3 deep	xx-ph-00000153-H21-base.sdk
3 deep	xx-ph-00009253-cy4-base.sdk
3 deep	xx-ph-00009473-cy4-base.sdk
3 deep	xx-ph-00011523-kz0-base.sdk
3 deep	xx-ph-00012120-kz0-base.sdk
3 deep	xx-ph-00014594-kz1a-base.sdk
3 deep	xx-ph-00015765-Kz1_b-base.sdk
3 deep	xx-ph-00033057-2012_04-base.sdk
3 deep	xx-ph-00033342-2012_04-base.sdk
3 deep	xx-ph-00033343-2012_04-base.sdk
3 deep	xx-ph-00033526-2012_04-base.sdk
3 deep	xx-ph-00034162-2012_04-base.sdk
3 deep	xx-ph-00034177-2012_04-base.sdk
3 deep	xx-ph-00035033-12_05-base.sdk
3 deep	xx-ph-00100053-12_11-base.sdk
3 deep	xx-ph-00225580-2012_11_10-base.sdk
3 deep	xx-ph-00225588-ig193-base.sdk
3 deep	xx-ph-00247933-12_12_03-base.sdk
3 deep	xx-ph-00247965-12_12_03-base.sdk
3 deep	xx-ph-00247974-12_12_03-base.sdk
3 deep	xx-ph-00247976-12_12_03-base.sdk
3 deep	xx-ph-00247978-12_12_03-base.sdk
3 deep	xx-ph-00247979-12_12_03-base.sdk
3 deep	xx-ph-00247987-12_12_03-base.sdk
3 deep	xx-ph-00247988-12_12_03-base.sdk
3 deep	xx-ph-00247990-12_12_03-base.sdk
3 deep	xx-ph-00247991-12_12_03-base.sdk
3 deep	xx-ph-00247992-12_12_03-base.sdk

HDP Level	Sudoku
3 deep	xx-ph-00247993-12_12_03-base.sdk
3 deep	xx-ph-00247995-12_12_03-base.sdk
3 deep	xx-ph-00248039-12_12_03-base.sdk
3 deep	xx-ph-00248040-12_12_03-base.sdk
3 deep	xx-ph-00248046-12_12_03-base.sdk
3 deep	xx-ph-00248048-12_12_03-base.sdk
3 deep	xx-ph-00248050-12_12_03-base.sdk
3 deep	xx-ph-00248051-12_12_03-base.sdk
3 deep	xx-ph-00248058-12_12_03-base.sdk
3 deep	xx-ph-00248311-12_12_03-base.sdk
3 deep	xx-ph-00296393-12_12_03-base.sdk
3 deep	xx-ph-00296430-12_12_03-base.sdk
3 deep	xx-ph-00296439-12_12_03-base.sdk
3 deep	xx-ph-00305588-12_12_03-base.sdk
3 deep	xx-ph-00394151-12_12_03-base.sdk
3 deep	xx-ph-00545591-12_12-base.sdk
3 deep	xx-ph-00635331-12_12-base.sdk
3 deep	xx-ph-00635332-12_12-base.sdk
3 deep	xx-ph-00635333-12_12-base.sdk
3 deep	xx-ph-00762563-12_12_17s-base.sdk
3 deep	xx-ph-00762565-12_12_17s-base.sdk
3 deep	xx-ph-00762569-12_12_17s-base.sdk
3 deep	xx-ph-00762570-12_12_17s-base.sdk
3 deep	xx-ph-00762571-12_12_17s-base.sdk
3 deep	xx-ph-00762573-12_12_17s-base.sdk
3 deep	xx-ph-00767939-13_01-base.sdk
3 deep	xx-ph-01091812-13_09-base.sdk
3 deep	xx-ph-01115504-13_09-base.sdk
3 deep	xx-ph-01116350-13_09-base.sdk
3 deep	xx-ph-01682979-Lightsaber-base.sdk
3 deep	xx-ph-02123931-2018_11_26-base.sdk
3 deep	xx-ph-02123943-2018_11_28-base.sdk
3 deep	xx-ph-02123960-2018_11_28-base.sdk
3 deep	xx-ph-02123961-2018_11_28-base.sdk
3 deep	xx-ph-02123988-2018_12_01-base.sdk
3 deep	xx-ph-02123989-2018_12_01-base.sdk
3 deep	xx-ph-02210317-2018_12_06-base.sdk
3 deep	xx-ph-02210355-2018_12_06-base.sdk
3 deep	xx-ph-02236460-2018_12_25-base.sdk
3 deep	xx-ph-02236463-2018_12_25-base.sdk
3 deep	xx-ph-02236468-2018_12_25-base.sdk
3 deep	xx-ph-02236749-2019_01_07-base.sdk
3 deep	xx-ph-02236989-2019_01_07-base.sdk
3 deep	xx-ph-02237034-2019_01_07-base.sdk
3 deep	xx-ph-02237038-2019_01_07-base.sdk
3 deep	xx-ph-02237047-2019_01_07-base.sdk
3 deep	xx-ph-02318925-2019_03_16-base.sdk
3 deep	xx-ph-02345835-2019_05_01-base.sdk
3 deep	xx-ph-02345862-2019_05_01-base.sdk
3 deep	xx-ph-02346393-2019_05_01-base.sdk
3 deep	xx-ph-02487226-2019_08_05_a-base.sdk
3 deep	xx-ph-02487980-2019_08_05_a-base.sdk
3 deep	xx-ph-02488802-2019_08_05_a-base.sdk

HDP Level	Sudoku
3 deep	xx-ph-02716474-2019_08_1120_160-base.sdk
3 deep	xx-tarek071223170000-013-base.sdk
3 deep	xx-tarek071-base.sdk
3 deep	xx-tarx0002-base.sdk
3 deep	xx-tarx0006-base.sdk
3 deep	xx-tarx0007-base.sdk
3 deep	xx-tarx0008-base.sdk
3 deep	xx-tarx0013-base.sdk
3 deep	xx-tarx0108-base.sdk
3 deep	xx-weekender1-base.sdk
3 deep	zz-www.sudokuwiki.org-0146-base.sdk
3 deep	zz-www.sudokuwiki.org-0165-base.sdk
3 deep	zz-www.sudokuwiki.org-0242-base.sdk
3 deep	zz-www.sudokuwiki.org-0276-base.sdk
3 deep	zz-www.sudokuwiki.org-0315-base.sdk
3 deep	zz-www.sudokuwiki.org-0317-base.sdk
3 deep	zz-www.sudokuwiki.org-0318-base.sdk
3 deep	zz-www.sudokuwiki.org-0341-base.sdk
4 very deep	xx-BronzeMedalian-base.sdk
4 very deep	xx-col0701-13-base.sdk
4 very deep	xx-col-201107-M3-3-base.sdk
4 very deep	xx-coloin-04-10-base.sdk
4 very deep	xx-colx134-base.sdk
4 very deep	xx-colx180-base.sdk
4 very deep	xx-dukdiamond1-base.sdk
4 very deep	xx-Easter_Monster-base.sdk
4 very deep	xx-Easter_Monster-work.sdk
4 very deep	xx-Golden_Nugget-base.sdk
4 very deep	xx-gsf-2007-05-24-0032-base.sdk
4 very deep	xx-h54autres_1-base.sdk
4 very deep	xx-h54autres_4-base.sdk
4 very deep	xx-HardestSudokusThread-00073-base.sdk
4 very deep	xx-HardestSudokusThread-00212-base.sdk
4 very deep	xx-HardestSudokusThread-00213-base.sdk
4 very deep	xx-HardestSudokusThread-00215-base.sdk
4 very deep	xx-HardestSudokusThread-00217-base.sdk
4 very deep	xx-HardestSudokusThread-00218-base.sdk
4 very deep	xx-jpf-04_08-base.sdk
4 very deep	xx-jpf-04-10-base.sdk
4 very deep	xx-jpf-04_14_01-base.sdk
4 very deep	xx-jpf-04_14_02-base.sdk
4 very deep	xx-jpf-04_14_B4-base.sdk
4 very deep	xx-jpf-04_14-base.sdk
4 very deep	xx-pearly6000-1802-base.sdk
4 very deep	xx-pearly6000-1803-base.sdk
4 very deep	xx-pearly6000-1847-base.sdk
4 very deep	xx-pearly6000-2803-base.sdk
4 very deep	xx-pearly6000-3112-base.sdk
4 very deep	xx-pearly6000-3238-base.sdk
4 very deep	xx-pearly6000-3802-base.sdk
4 very deep	xx-pearly6000-3978-base.sdk
4 very deep	xx-pearly6000-4143-base.sdk
4 very deep	xx-pearly6000-4268-base.sdk

HDP Level	Sudoku
4 very deep	xx-ph-00000001-champagne_dry-base.sdk
4 very deep	xx-ph-00000003-Golden-Nugget-base.sdk
4 very deep	xx-ph-00000005-1-base.sdk
4 very deep	xx-ph-00000007-15-base.sdk
4 very deep	xx-ph-00000009-tarx0075-base.sdk
4 very deep	xx-ph-00000012-gsf-2007-05-24-003_64879-base.sdk
4 very deep	xx-ph-00000013-coloin-04-10-base.sdk
4 very deep	xx-ph-00000014-coloin-04-10-base.sdk
4 very deep	xx-ph-00000015-17-base.sdk
4 very deep	xx-ph-00000017-4-base.sdk
4 very deep	xx-ph-00000018-1-base.sdk
4 very deep	xx-ph-00000019-9-base.sdk
4 very deep	xx-ph-00000020-10-base.sdk
4 very deep	xx-ph-00000021-11-base.sdk
4 very deep	xx-ph-00000023-tarek071223170000-base.sdk
4 very deep	xx-ph-00000024-H1-base.sdk
4 very deep	xx-ph-00000028-14-base.sdk
4 very deep	xx-ph-00000031-4-base.sdk
4 very deep	xx-ph-00000032-L1-base.sdk
4 very deep	xx-ph-00000039-coloin-04-10-base.sdk
4 very deep	xx-ph-00000041-pearly6000-4268-base.sdk
4 very deep	xx-ph-00000042-pearly6000-3802-base.sdk
4 very deep	xx-ph-00000045-pearly6000-3112-base.sdk
4 very deep	xx-ph-00000047-H1-base.sdk
4 very deep	xx-ph-00000050-L4-base.sdk
4 very deep	xx-ph-00000055-30-base.sdk
4 very deep	xx-ph-00000057-H8-base.sdk
4 very deep	xx-ph-00000058-L5-base.sdk
4 very deep	xx-ph-00000071-26-base.sdk
4 very deep	xx-ph-00000073-58-base.sdk
4 very deep	xx-ph-00000075-pearly6000-4143-base.sdk
4 very deep	xx-ph-00000080-pearly6000-3978-base.sdk
4 very deep	xx-ph-00000086-pearly6000-3238-base.sdk
4 very deep	xx-ph-00000087-L7-base.sdk
4 very deep	xx-ph-00000088-43-base.sdk
4 very deep	xx-ph-00000091-44-base.sdk
4 very deep	xx-ph-00000092-41-base.sdk
4 very deep	xx-ph-00000102-H10-base.sdk
4 very deep	xx-ph-00000125-38-base.sdk
4 very deep	xx-ph-00000132-114-base.sdk
4 very deep	xx-ph-00000133-H6-base.sdk
4 very deep	xx-ph-00000134-H18-base.sdk
4 very deep	xx-ph-00000135-H3-base.sdk
4 very deep	xx-ph-00000137-116-base.sdk
4 very deep	xx-ph-00000140-tarek-2228-base.sdk
4 very deep	xx-ph-00000141-coloin-04-10-base.sdk
4 very deep	xx-ph-00000142-tarek-2164-base.sdk
4 very deep	xx-ph-00000144-jpf-04_05-base.sdk
4 very deep	xx-ph-00000148-tarek-4_08-base.sdk
4 very deep	xx-ph-00000150-125-base.sdk
4 very deep	xx-ph-00012412-kz0-base.sdk
4 very deep	xx-ph-00016215-Kz1_b-base.sdk
4 very deep	xx-ph-00033398-81006-base.sdk



HDP Level	Sudoku
4 very deep	xx-ph-00033418-2012_04-base.sdk
4 very deep	xx-ph-00033892-2012_04-base.sdk
4 very deep	xx-ph-00034163-2012_04-base.sdk
4 very deep	xx-ph-00035497-12_05-base.sdk
4 very deep	xx-ph-00035732-12_05-base.sdk
4 very deep	xx-ph-00038140-12_07-base.sdk
4 very deep	xx-ph-00100058-12_11-base.sdk
4 very deep	xx-ph-00225578-2012_11_10-base.sdk
4 very deep	xx-ph-00225579-2012_11_10-base.sdk
4 very deep	xx-ph-00225581-2012_11_10-base.sdk
4 very deep	xx-ph-00225604-12_12_03-base.sdk
4 very deep	xx-ph-00225605-12_12_03-base.sdk
4 very deep	xx-ph-00247916-12_12_03-base.sdk
4 very deep	xx-ph-00247938-12_12_03-base.sdk
4 very deep	xx-ph-00247963-12_12_03-base.sdk
4 very deep	xx-ph-00247964-12_12_03-base.sdk
4 very deep	xx-ph-00247967-12_12_03-base.sdk
4 very deep	xx-ph-00247975-12_12_03-base.sdk
4 very deep	xx-ph-00248027-12_12_03-base.sdk
4 very deep	xx-ph-00248083-12_12_03-base.sdk
4 very deep	xx-ph-00262544-12_12_03-base.sdk
4 very deep	xx-ph-00394123-12_12_03-base.sdk
4 very deep	xx-ph-00545594-12_12-base.sdk
4 very deep	xx-ph-00545623-12_12-base.sdk
4 very deep	xx-ph-00762567-12_12_17s-base.sdk
4 very deep	xx-ph-00846196-13_02-base.sdk
4 very deep	xx-ph-00931090-13_05-base.sdk
4 very deep	xx-ph-00973799-13_03-base.sdk
4 very deep	xx-ph-00974041-13_03-base.sdk
4 very deep	xx-ph-00974751-13_03-base.sdk
4 very deep	xx-ph-00975343-13_03-base.sdk
4 very deep	xx-ph-01001489-13_07-base.sdk
4 very deep	xx-ph-01001491-13_07-base.sdk
4 very deep	xx-ph-01001494-13_07-base.sdk
4 very deep	xx-ph-01054165-13_07-base.sdk
4 very deep	xx-ph-01054773-13_07-base.sdk
4 very deep	xx-ph-01055198-13_07-base.sdk
4 very deep	xx-ph-01091392-13_09-base.sdk
4 very deep	xx-ph-01091647-13_09-base.sdk
4 very deep	xx-ph-01092053-13_09-base.sdk
4 very deep	xx-ph-01115380-13_09-base.sdk
4 very deep	xx-ph-01123016-13_09-base.sdk
4 very deep	xx-ph-01209207-13_11_gexo-base.sdk
4 very deep	xx-ph-01270042-13_12-base.sdk
4 very deep	xx-ph-01365690-14_01-base.sdk
4 very deep	xx-ph-01383016-14_04-base.sdk
4 very deep	xx-ph-01388577-14_04-base.sdk
4 very deep	xx-ph-01549342-14_09-base.sdk
4 very deep	xx-ph-01549372-14_09-base.sdk
4 very deep	xx-ph-01549850-14_09-base.sdk
4 very deep	xx-ph-01682984-2015_08-base.sdk
4 very deep	xx-ph-01682995-2015_08-base.sdk
4 very deep	xx-ph-01683932-2015_08-base.sdk



HDP Level	Sudoku
4 very deep	xx-ph-01744614-2015_08-base.sdk
4 very deep	xx-ph-01834371-2016_04_23-base.sdk
4 very deep	xx-ph-02123932-2018_11_26-base.sdk
4 very deep	xx-ph-02123933-2018_11_26-base.sdk
4 very deep	xx-ph-02123934-2018_11_26-base.sdk
4 very deep	xx-ph-02123940-2018_11_28-base.sdk
4 very deep	xx-ph-02123941-2018_11_28-base.sdk
4 very deep	xx-ph-02123942-2018_11_28-base.sdk
4 very deep	xx-ph-02123944-2018_11_28-base.sdk
4 very deep	xx-ph-02123955-2018_11_28-base.sdk
4 very deep	xx-ph-02123959-2018_11_28-base.sdk
4 very deep	xx-ph-02210331-2018_12_06-base.sdk
4 very deep	xx-ph-02236577-2018_12_25-base.sdk
4 very deep	xx-ph-02236633-2018_12_25-base.sdk
4 very deep	xx-ph-02236634-2018_12_25-base.sdk
4 very deep	xx-ph-02236641-2018_12_25-base.sdk
4 very deep	xx-ph-02236967-2019_01_07-base.sdk
4 very deep	xx-ph-02236968-2019_01_07-base.sdk
4 very deep	xx-ph-02239572-2019_01_07-base.sdk
4 very deep	xx-ph-02316230-2019_01_13-base.sdk
4 very deep	xx-ph-02316231-2019_01_13-base.sdk
4 very deep	xx-ph-02316232-2019_01_13-base.sdk
4 very deep	xx-ph-02316349-2019_01_13-base.sdk
4 very deep	xx-ph-02316378-2019_01_13-base.sdk
4 very deep	xx-ph-02317127-2019_03_16-base.sdk
4 very deep	xx-ph-02317338-2019_03_16-base.sdk
4 very deep	xx-ph-02317741-2019_03_16-base.sdk
4 very deep	xx-ph-02317742-2019_03_16-base.sdk
4 very deep	xx-ph-02317748-2019_03_16-base.sdk
4 very deep	xx-ph-02318268-2019_03_16-base.sdk
4 very deep	xx-ph-02318300-2019_03_16-base.sdk
4 very deep	xx-ph-02487227-2019_08_05_a-base.sdk
4 very deep	xx-ph-02487335-2019_08_05_a-base.sdk
4 very deep	xx-ph-02487338-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488643-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488661-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488754-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488871-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488874-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488875-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488876-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488877-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488982-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489235-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489238-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489239-2019_08_05_a-base.sdk
4 very deep	xx-ph-02716914-2019_08_1120_160-base.sdk
4 very deep	xx-ph-02716915-2019_08_1120_160-base.sdk
4 very deep	xx-ph-02717234-2019_08_1120_160-base.sdk
4 very deep	xx-Platinum_Blonde-base.sdk
4 very deep	xx-SilverPlate-base.sdk
4 very deep	xx-tarek071223170000-181-base.sdk
4 very deep	xx-tarx0001-base.sdk

HDP Level	Sudoku
4 very deep	xx-tarx0068-base.sdk
4 very deep	xx-tarx0104-base.sdk
4 very deep	xx-tarx0105-base.sdk
4 very deep	xx-tarx0119-base.sdk
4 very deep	xx-tarx0119-work.sdk
4 very deep	xx-tarx0121-base.sdk
4 very deep	xx-ultra0300-base.sdk
4 very deep	xx-ultra0313-base.sdk
4 very deep	zz-www.sudokuwiki.org-0028-base.sdk
4 very deep	zz-www.sudokuwiki.org-0049-base.sdk
4 very deep	zz-www.sudokuwiki.org-0159-base.sdk
4 very deep	zz-www.sudokuwiki.org-0215-base.sdk
4 very deep	zz-www.sudokuwiki.org-0220-base.sdk
4 very deep	zz-www.sudokuwiki.org-0240-base.sdk
4 very deep	zz-www.sudokuwiki.org-0241-base.sdk
4 very deep	zz-www.sudokuwiki.org-0243-base.sdk
4 very deep	zz-www.sudokuwiki.org-0244-base.sdk
4 very deep	zz-www.sudokuwiki.org-0245-base.sdk
4 very deep	zz-www.sudokuwiki.org-0247-base.sdk
4 very deep	zz-www.sudokuwiki.org-0270-base.sdk
4 very deep	zz-www.sudokuwiki.org-0271-base.sdk
4 very deep	zz-www.sudokuwiki.org-0275-base.sdk
4 very deep	zz-www.sudokuwiki.org-0305-base.sdk
4 very deep	zz-www.sudokuwiki.org-0306-base.sdk
5 extreme	xx-ph-02320822-2019_03_16-base.sdk

all	0 consolidation	1 reduction	2 minor CFR check
2147	1270	472	405

## 9.2 Satoku Stats by HDP Level

### 9.2.1 Unsolved

HDP Level	Sudoku	Satoku Level	Result Position	Clues
4 very deep	xx-ph-02321844-2019_03_16-base.sdk	2 minor CFR check	9876..5..4..9..6...36.7..8962.4..95... 8..2..11....7....6..598.....8....68... 46.95	34

### 9.2.2 Solved

HDP Level	Sudoku
0 simple	xx-top95-037-base.sdk
0 simple	xx-top95-037-base.sdk
0 simple	xx-top95-057-base.sdk
0 simple	xx-top95-062-base.sdk
0 simple	xx-top95-062-base.sdk
0 simple	xx-top95-015-base.sdk

HDP Level	Sudoku
0 simple	xx-top95-015-base.sdk
0 simple	zz-knacker-095185-base.sdk
0 simple	xx-top95-044-base.sdk
0 simple	yy-clue-clusters-000-base.sdk
0 simple	zz-knacker-111751-base.sdk
0 simple	zz-sudoku-de-699316-base.sdk
0 simple	zz-knacker-107069-base.sdk
0 simple	zz-simple-003.sdk
0 simple	zz-sudoku-de-787313-base.sdk
0 simple	zz-internet-001-base.sdk
0 simple	zz-simple-004.sdk
0 simple	zz-knacker-077842-base.sdk
0 simple	zz-knacker-070785-base.sdk
0 simple	xx-top95-079-base.sdk
0 simple	xx-top95-079-base.sdk
0 simple	xx-top95-030-base.sdk
0 simple	xx-top95-030-base.sdk
0 simple	xx-17-clue-good-at-sudoku-heres-some-youll-never-complete-base.sdk
0 simple	xx-top95-067-base.sdk
0 simple	xx-top95-067-base.sdk
0 simple	xx-top95-049-base.sdk
0 simple	xx-top95-049-base.sdk
0 simple	zz-knacker-113383-base.sdk
0 simple	zz-internet-003-base.sdk
0 simple	xx-top95-063-base.sdk
0 simple	zz-knacker-109075-base.sdk
0 simple	xx-top500-062-base.sdk
0 simple	xx-top95-027-base.sdk
0 simple	xx-top95-027-base.sdk
0 simple	zz-sudoku-de-643517-base.sdk
0 simple	xx-top95-095-base.sdk
0 simple	xx-top95-095-base.sdk
0 simple	xx-17-clue-enjoysudoku.com-010-base.sdk
0 simple	zz-knacker-079954-base.sdk
0 simple	zz-simple-005.sdk
0 simple	zz-sudoku-de-624491-base.sdk
0 simple	xx-top95-006-base.sdk
0 simple	xx-top95-006-base.sdk
0 simple	xx-top95-036-base.sdk
0 simple	xx-top95-036-base.sdk
0 simple	xx-top95-001-base.sdk
0 simple	xx-top95-001-base.sdk
0 simple	xx-top95-023-base.sdk
0 simple	xx-top95-023-base.sdk
0 simple	xx-top95-033-base.sdk
0 simple	zz-weltkompakt-001-base.sdk
0 simple	zz-knacker-076781-base.sdk
0 simple	xx-top95-018-base.sdk
0 simple	xx-top95-018-base.sdk
0 simple	xx-top95-026-base.sdk
0 simple	xx-top95-026-base.sdk
0 simple	zz-sudoku-de-757048-base.sdk
0 simple	xx-top95-078-base.sdk

HDP Level	Sudoku
0 simple	xx-top95-021-base.sdk
0 simple	xx-top95-021-base.sdk
0 simple	zz-google-003-base.sdk
0 simple	xx-top95-002-base.sdk
0 simple	xx-top95-002-base.sdk
0 simple	zz-internet-004-base.sdk
0 simple	zz-sudoku-de-630693-base.sdk
0 simple	zz-knacker-093599-base.sdk
0 simple	zz-simple-009.sdk
0 simple	xx-top95-003-base.sdk
0 simple	xx-top95-003-base.sdk
0 simple	xx-top95-084-base.sdk
0 simple	xx-top95-084-base.sdk
0 simple	xx-17-clue-enjoysudoku.com-013-base.sdk
0 simple	zz-knacker-078029-base.sdk
0 simple	zz-knacker-078207-base.sdk
0 simple	zz-sudoku-de-641212-base.sdk
0 simple	zz-simple-006.sdk
0 simple	zz-www.sudokuwiki.org-interesting-vase-base.sdk
0 simple	zz-www.sudokuwiki.org-interesting-battlement-base.sdk
0 simple	cc-17-clue-puzzle-001-base.sdk
0 simple	zz-simple-007.sdk
0 simple	zz-internet-000-base.sdk
0 simple	zz-zendoku-tricky-base.sdk
0 simple	xx-17-clue-enjoysudoku.com-012-base.sdk
0 simple	xx-top95-042-base.sdk
0 simple	xx-top95-042-base.sdk
0 simple	xx-top95-073-base.sdk
0 simple	xx-top95-073-base.sdk
0 simple	zz-simple-000.sdk
0 simple	zz-weltkompakt-000-base.sdk
0 simple	zz-www.sudokuwiki.org-interesting-2x3x3-base.sdk
0 simple	zz-simple-008.sdk
0 simple	zz-knacker-074707-base.sdk
0 simple	zz-knacker-123718-base.sdk
0 simple	xx-top95-034-base.sdk
0 simple	xx-top95-034-base.sdk
0 simple	zz-sudoku-de-740405-base.sdk
0 simple	zz-internet-002-base.sdk
0 simple	zz-simple-002.sdk
0 simple	zz-sudoku-de-698985-base.sdk
0 simple	zz-handy-002-base.sdk
0 simple	zz-sudoku-de-725462-base.sdk
0 simple	zz-knacker-097417-base.sdk
0 simple	xx-top95-024-base.sdk
0 simple	xx-top95-043-base.sdk
0 simple	zz-handy-000-base.sdk
0 simple	zz-sudoku-de-772287-base.sdk
0 simple	zz-sudoku-de-611487-base.sdk
0 simple	zz-knacker-106991-base.sdk
1 medium	xx-top95-025-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060817-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060424-absurd-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20060703-absurd-base.sdk
1 medium	xx-top95-019-base.sdk
1 medium	xx-top95-061-base.sdk
1 medium	zz-www.sudokuwiki.org-0089-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190418-absurd-base.sdk
1 medium	xx-top95-074-base.sdk
1 medium	xx-top95-053-base.sdk
1 medium	zz-www.sudokuwiki.org-0281-base.sdk
1 medium	xx-top95-065-base.sdk
1 medium	xx-top500-394-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190421-absurd-base.sdk
1 medium	zz-knacker-132282-base.sdk
1 medium	xx-top500-375-base.sdk
1 medium	xx-top95-022-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190125-absurd-base.sdk
1 medium	xx-top95-086-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060906-absurd-base.sdk
1 medium	xx-top500-368-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190123-absurd-base.sdk
1 medium	xx-top95-013-base.sdk
1 medium	zz-www.sudokuwiki.org-0041-base.sdk
1 medium	xx-top500-021-base.sdk
1 medium	zz-www.sudokuwiki.org-0108-base.sdk
1 medium	zz-www.sudokuwiki.org-0135-base.sdk
1 medium	zz-www.sudokuwiki.org-0149-base.sdk
1 medium	xx-top500-137-base.sdk
1 medium	xx-top500-015-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190211-absurd-base.sdk
1 medium	xx-top500-448-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190131-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060901-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060717-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060718-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060423-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190329-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060513-absurd-base.sdk
1 medium	xx-top95-038-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190422-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190326-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190327-absurd-base.sdk
1 medium	xx-top500-122-base.sdk
1 medium	zz-handy-001-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190320-absurd-base.sdk
1 medium	zz-menneske-no-06902995-base.sdk
1 medium	xx-top500-383-base.sdk
1 medium	xx-top95-090-base.sdk
1 medium	zz-sudoku-de-777320-base.sdk
1 medium	xx-top500-291-base.sdk
1 medium	xx-top500-056-base.sdk
1 medium	zz-www.sudokuwiki.org-0045-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190413-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0092-base.sdk
1 medium	xx-top500-187-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20190312-absurd-base.sdk
1 medium	xx-top500-158-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060401-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190427-absurd-base.sdk
1 medium	xx-top500-445-base.sdk
1 medium	xx-top500-085-base.sdk
1 medium	xx-top95-081-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060628-absurd-base.sdk
1 medium	xx-top95-077-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060330-absurd-base.sdk
1 medium	xx-top95-051-base.sdk
1 medium	xx-top95-075-base.sdk
1 medium	xx-top500-036-base.sdk
1 medium	xx-top500-246-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190207-absurd-base.sdk
1 medium	xx-top500-034-base.sdk
1 medium	zz-www.sudokuwiki.org-interesting-anchor-base.sdk
1 medium	xx-top500-044-base.sdk
1 medium	xx-top500-202-base.sdk
1 medium	xx-top500-071-base.sdk
1 medium	zz-www.sudokuwiki.org-0118-base.sdk
1 medium	zz-www.sudokuwiki.org-0112-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190410-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060807-absurd-base.sdk
1 medium	xx-top500-480-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060812-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060709-absurd-base.sdk
1 medium	xx-top500-064-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060427-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060316-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0084-base.sdk
1 medium	zz-menneske-no-06904848-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060526-absurd-base.sdk
1 medium	xx-top500-474-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060604-absurd-base.sdk
1 medium	zz-ksudoku-000-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060828-absurd-base.sdk
1 medium	xx-top500-011-base.sdk
1 medium	zz-sudoku-de-635431-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190426-absurd-base.sdk
1 medium	zz-sudoku-de-772112-base.sdk
1 medium	xx-top500-477-base.sdk
1 medium	xx-top500-372-base.sdk
1 medium	xx-top500-373-base.sdk
1 medium	xx-top500-340-base.sdk
1 medium	xx-top500-161-base.sdk
1 medium	xx-top500-157-base.sdk
1 medium	xx-top95-052-base.sdk
1 medium	zz-sudoku-de-702316-base.sdk
1 medium	xx-top500-266-base.sdk
1 medium	xx-top500-129-base.sdk
1 medium	xx-top500-016-base.sdk
1 medium	xx-top500-371-base.sdk



HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20060808-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060701-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060722-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060714-absurd-base.sdk
1 medium	zz-sudoku-de-741856-base.sdk
1 medium	xx-top500-361-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060804-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060514-absurd-base.sdk
1 medium	xx-top500-030-base.sdk
1 medium	xx-top500-269-base.sdk
1 medium	xx-top500-138-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190303-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190113-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060630-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190330-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060416-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0109-base.sdk
1 medium	xx-top500-066-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060322-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190116-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0080-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060905-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060417-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0268-base.sdk
1 medium	cracking-the-cryptic-beyond-diabolical-base.sdk
1 medium	xx-top500-023-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060813-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190314-absurd-base.sdk
1 medium	zz-sudoku-de-657771-base.sdk
1 medium	xx-top500-184-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060617-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060319-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0105-base.sdk
1 medium	xx-top500-131-base.sdk
1 medium	xx-top500-415-base.sdk
1 medium	xx-top500-282-base.sdk
1 medium	xx-top500-281-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060531-absurd-base.sdk
1 medium	xx-top500-141-base.sdk
1 medium	xx-top500-465-base.sdk
1 medium	zz-menneske-no-06913681-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060408-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190130-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060409-absurd-base.sdk
1 medium	xx-top500-345-base.sdk
1 medium	xx-top500-193-base.sdk
1 medium	xx-top500-020-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190429-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060415-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060908-absurd-base.sdk
1 medium	xx-top500-355-base.sdk
1 medium	zz-www.sudokuwiki.org-0036-base.sdk
1 medium	xx-top500-173-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-168-base.sdk
1 medium	xx-top95-060-base.sdk
1 medium	xx-top500-365-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060410-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0087-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060902-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0140-base.sdk
1 medium	xx-top500-238-base.sdk
1 medium	xx-top500-313-base.sdk
1 medium	xx-top500-118-base.sdk
1 medium	zz-sudoku-de-761453-base.sdk
1 medium	xx-top500-314-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190411-absurd-base.sdk
1 medium	zz-sudoku-de-678907-base.sdk
1 medium	xx-top95-047-base.sdk
1 medium	xx-top500-114-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190210-absurd-base.sdk
1 medium	xx-top500-243-base.sdk
1 medium	zz-www.sudokuwiki.org-0030-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060324-absurd-base.sdk
1 medium	xx-top500-204-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060412-absurd-base.sdk
1 medium	xx-top500-335-base.sdk
1 medium	xx-top500-362-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190214-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190321-absurd-base.sdk
1 medium	xx-top500-280-base.sdk
1 medium	xx-top500-299-base.sdk
1 medium	xx-top500-126-base.sdk
1 medium	xx-top500-189-base.sdk
1 medium	xx-top500-293-base.sdk
1 medium	xx-top500-292-base.sdk
1 medium	xx-top500-276-base.sdk
1 medium	xx-top500-311-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060524-absurd-base.sdk
1 medium	zz-menneske-no-06912949-base.sdk
1 medium	xx-top500-234-base.sdk
1 medium	xx-top500-253-base.sdk
1 medium	zz-menneske-no-06899619-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060829-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060414-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0033-base.sdk
1 medium	zz-www.sudokuwiki.org-0137-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060321-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0064-base.sdk
1 medium	zz-www.sudokuwiki.org-0032-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060405-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190104-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190423-absurd-base.sdk
1 medium	xx-top500-378-base.sdk
1 medium	xx-top500-395-base.sdk
1 medium	xx-top500-333-base.sdk
1 medium	xx-top500-288-base.sdk

HDP Level	Sudoku
1 medium	xx-top95-039-base.sdk
1 medium	xx-top500-452-base.sdk
1 medium	zz-menneske-no-06911894-base.sdk
1 medium	zz-sudoku-de-703274-base.sdk
1 medium	zz-menneske-no-06912234-base.sdk
1 medium	xx-top500-270-base.sdk
1 medium	xx-top500-139-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060527-absurd-base.sdk
1 medium	xx-top500-419-base.sdk
1 medium	xx-top500-167-base.sdk
1 medium	xx-top500-416-base.sdk
1 medium	xx-top500-294-base.sdk
1 medium	xx-top500-084-base.sdk
1 medium	zz-www.sudokuwiki.org-0132-base.sdk
1 medium	xx-top500-172-base.sdk
1 medium	zz-menneske-no-06903973-base.sdk
1 medium	xx-top500-070-base.sdk
1 medium	zz-www.sudokuwiki.org-0001-base.sdk
1 medium	zz-menneske-no-06093043-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060413-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060328-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060707-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060521-absurd-base.sdk
1 medium	xx-top500-142-base.sdk
1 medium	zz-www.sudokuwiki.org-0011-base.sdk
1 medium	xx-top500-457-base.sdk
1 medium	zz-sudoku-de-781180-base.sdk
1 medium	xx-top500-290-base.sdk
1 medium	xx-top500-241-base.sdk
1 medium	xx-top95-076-base.sdk
1 medium	zz-www.sudokuwiki.org-0124-base.sdk
1 medium	zz-www.sudokuwiki.org-0061-base.sdk
1 medium	xx-top500-225-base.sdk
1 medium	zz-menneske-no-06913596-base.sdk
1 medium	xx-top500-254-base.sdk
1 medium	xx-top500-224-base.sdk
1 medium	zz-sudoku-de-773218-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060608-absurd-base.sdk
1 medium	xx-top500-179-base.sdk
1 medium	xx-top500-498-base.sdk
1 medium	zz-www.sudokuwiki.org-0004-base.sdk
1 medium	xx-top500-203-base.sdk
1 medium	xx-top500-079-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190103-absurd-base.sdk
1 medium	xx-top500-382-base.sdk
1 medium	zz-menneske-no-06908705-base.sdk
1 medium	zz-sudoku-de-680159-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060815-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060519-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060318-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190223-absurd-base.sdk
1 medium	xx-top500-420-base.sdk
1 medium	zz-www.sudokuwiki.org-0148-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-412-base.sdk
1 medium	zz-www.sudokuwiki.org-nine-empty-units.sdk
1 medium	zz-menneske-no-06912222-base.sdk
1 medium	xx-top500-478-base.sdk
1 medium	xx-top500-120-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190420-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060528-absurd-base.sdk
1 medium	zz-menneske-no-05925446-base.sdk
1 medium	xx-top500-053-base.sdk
1 medium	xx-top500-175-base.sdk
1 medium	xx-top500-180-base.sdk
1 medium	xx-top500-500-base.sdk
1 medium	zz-sudoku-de-787906-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060101-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0053-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190226-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060616-absurd-base.sdk
1 medium	xx-top500-344-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190402-absurd-base.sdk
1 medium	xx-top500-014-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190324-absurd-base.sdk
1 medium	xx-top500-197-base.sdk
1 medium	xx-top500-210-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190222-absurd-base.sdk
1 medium	xx-top500-006-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060615-absurd-base.sdk
1 medium	xx-top500-170-base.sdk
1 medium	xx-top500-353-base.sdk
1 medium	xx-top500-177-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190309-absurd-base.sdk
1 medium	zz-menneske-no-06912567-base.sdk
1 medium	xx-top500-209-base.sdk
1 medium	zz-sudoku-de-652632-base.sdk
1 medium	xx-top500-188-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190316-absurd-base.sdk
1 medium	xx-top500-324-base.sdk
1 medium	xx-top500-396-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060403-absurd-base.sdk
1 medium	xx-top500-328-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190307-absurd-base.sdk
1 medium	xx-top500-251-base.sdk
1 medium	xx-top500-316-base.sdk
1 medium	xx-17-clue-enjoysudoku.com-011-base.sdk
1 medium	xx-top500-317-base.sdk
1 medium	xx-top95-040-base.sdk
1 medium	zz-menneske-no-06900300-base.sdk
1 medium	xx-top500-060-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060721-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060705-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060727-absurd-base.sdk
1 medium	xx-top500-026-base.sdk
1 medium	xx-top500-240-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190124-absurd-base.sdk

HDP Level	Sudoku
1 medium	xx-top95-014-base.sdk
1 medium	xx-top95-014-base.sdk
1 medium	xx-top500-219-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060820-absurd-base.sdk
1 medium	xx-top500-449-base.sdk
1 medium	xx-top500-432-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060716-absurd-base.sdk
1 medium	xx-top500-150-base.sdk
1 medium	xx-top500-332-base.sdk
1 medium	xx-top500-403-base.sdk
1 medium	xx-top500-176-base.sdk
1 medium	xx-top500-181-base.sdk
1 medium	zz-www.sudokuwiki.org-0022-base.sdk
1 medium	zz-www.sudokuwiki.org-0342-base.sdk
1 medium	zz-sudoku-de-719598-base.sdk
1 medium	xx-top500-305-base.sdk
1 medium	xx-top500-058-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190403-absurd-base.sdk
1 medium	xx-top500-327-base.sdk
1 medium	zz-www.sudokuwiki.org-0104-base.sdk
1 medium	xx-top500-261-base.sdk
1 medium	xx-top500-001-base.sdk
1 medium	xx-top500-497-base.sdk
1 medium	xx-top500-284-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190308-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0058-base.sdk
1 medium	xx-top500-367-base.sdk
1 medium	xx-top500-103-base.sdk
1 medium	xx-top500-459-base.sdk
1 medium	xx-top500-192-base.sdk
1 medium	zz-www.sudokuwiki.org-0035-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190313-absurd-base.sdk
1 medium	xx-top500-031-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190118-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0016-base.sdk
1 medium	xx-top500-453-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190220-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190417-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0020-base.sdk
1 medium	xx-top95-031-base.sdk
1 medium	zz-www.sudokuwiki.org-0070-base.sdk
1 medium	zz-www.sudokuwiki.org-0075-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060612-absurd-base.sdk
1 medium	xx-top500-358-base.sdk
1 medium	xx-top500-067-base.sdk
1 medium	xx-top500-098-base.sdk
1 medium	xx-top500-199-base.sdk
1 medium	xx-top500-421-base.sdk
1 medium	xx-top500-095-base.sdk
1 medium	xx-top500-454-base.sdk
1 medium	xx-top500-054-base.sdk
1 medium	xx-top500-469-base.sdk
1 medium	xx-top500-078-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-055-base.sdk
1 medium	zz-www.sudokuwiki.org-0120-base.sdk
1 medium	xx-top500-237-base.sdk
1 medium	xx-top500-007-base.sdk
1 medium	xx-top500-059-base.sdk
1 medium	xx-top500-089-base.sdk
1 medium	zz-www.sudokuwiki.org-0129-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060602-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060816-absurd-base.sdk
1 medium	xx-top500-220-base.sdk
1 medium	xx-top500-380-base.sdk
1 medium	zz-www.sudokuwiki.org-0106-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060626-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060814-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060609-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060407-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0050-base.sdk
1 medium	zz-www.sudokuwiki.org-0277-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060803-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060827-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060503-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190428-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190216-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0266-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190408-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060909-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060710-absurd-base.sdk
1 medium	xx-top500-244-base.sdk
1 medium	zz-google-000-base.sdk
1 medium	xx-top500-489-base.sdk
1 medium	xx-top500-119-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190401-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190409-absurd-base.sdk
1 medium	zz-sudoku-de-767664-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190202-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0005-base.sdk
1 medium	xx-top500-102-base.sdk
1 medium	xx-top500-151-base.sdk
1 medium	xx-top500-063-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060724-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190105-absurd-base.sdk
1 medium	xx-top500-312-base.sdk
1 medium	zz-www.sudokuwiki.org-0010-base.sdk
1 medium	xx-top500-047-base.sdk
1 medium	zz-www.sudokuwiki.org-0071-base.sdk
1 medium	zz-www.sudokuwiki.org-0076-base.sdk
1 medium	xx-top500-009-base.sdk
1 medium	zz-sudoku-de-640978-base.sdk
1 medium	xx-top500-473-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060825-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0128-base.sdk
1 medium	zz-www.sudokuwiki.org-0017-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190325-absurd-base.sdk



HDP Level	Sudoku
1 medium	xx-top500-491-base.sdk
1 medium	xx-top500-239-base.sdk
1 medium	xx-top500-043-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190412-absurd-base.sdk
1 medium	xx-top500-123-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190209-absurd-base.sdk
1 medium	xx-top500-115-base.sdk
1 medium	xx-top500-221-base.sdk
1 medium	xx-top500-217-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190315-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060620-absurd-base.sdk
1 medium	xx-top500-267-base.sdk
1 medium	xx-top500-461-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060731-absurd-base.sdk
1 medium	xx-top500-038-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060505-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060801-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0027-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060903-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060622-absurd-base.sdk
1 medium	xx-top500-493-base.sdk
1 medium	zz-sudoku-de-754055-base.sdk
1 medium	zz-www.sudokuwiki.org-0103-base.sdk
1 medium	xx-top500-466-base.sdk
1 medium	xx-top500-153-base.sdk
1 medium	xx-top500-130-base.sdk
1 medium	xx-top500-143-base.sdk
1 medium	zz-www.sudokuwiki.org-0088-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190419-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060618-absurd-base.sdk
1 medium	xx-top500-110-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060418-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060329-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190206-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0044-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060619-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060805-absurd-base.sdk
1 medium	xx-top500-260-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060402-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060811-absurd-base.sdk
1 medium	xx-top500-008-base.sdk
1 medium	xx-top500-271-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060818-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060326-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0040-base.sdk
1 medium	xx-top500-087-base.sdk
1 medium	zz-www.sudokuwiki.org-0110-base.sdk
1 medium	xx-top95-055-base.sdk
1 medium	xx-top500-232-base.sdk
1 medium	xx-top500-423-base.sdk
1 medium	xx-top500-303-base.sdk
1 medium	xx-top500-094-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060715-absurd-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20060529-absurd-base.sdk
1 medium	xx-top500-341-base.sdk
1 medium	xx-top500-205-base.sdk
1 medium	xx-top500-211-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060525-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0034-base.sdk
1 medium	xx-top95-004-base.sdk
1 medium	xx-top95-004-base.sdk
1 medium	xx-top500-348-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060504-absurd-base.sdk
1 medium	zz-sudoku-de-705274-base.sdk
1 medium	zz-www.sudokuwiki.org-0007-base.sdk
1 medium	xx-top500-467-base.sdk
1 medium	xx-top500-048-base.sdk
1 medium	xx-top500-105-base.sdk
1 medium	zz-www.sudokuwiki.org-0079-base.sdk
1 medium	xx-top500-357-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190204-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060822-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060719-absurd-base.sdk
1 medium	zz-sudoku-de-796090-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060421-absurd-base.sdk
1 medium	zz-sudoku-de-734203-base.sdk
1 medium	xx-top500-073-base.sdk
1 medium	zz-www.sudokuwiki.org-0078-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190218-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060605-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190404-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0116-base.sdk
1 medium	xx-top500-301-base.sdk
1 medium	xx-top500-218-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060428-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060810-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060420-absurd-base.sdk
1 medium	xx-top500-306-base.sdk
1 medium	xx-top500-169-base.sdk
1 medium	xx-top500-460-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190106-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0142-base.sdk
1 medium	zz-www.sudokuwiki.org-0150-base.sdk
1 medium	xx-top500-017-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060713-absurd-base.sdk
1 medium	xx-top95-020-base.sdk
1 medium	zz-www.sudokuwiki.org-0134-base.sdk
1 medium	xx-top500-410-base.sdk
1 medium	xx-top500-385-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190119-absurd-base.sdk
1 medium	zz-sudoku-de-626776-base.sdk
1 medium	zz-werner-guess-000-base.sdk
1 medium	xx-top500-485-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190215-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0111-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060502-absurd-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20190213-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0263-base.sdk
1 medium	xx-top500-360-base.sdk
1 medium	xx-top500-228-base.sdk
1 medium	zz-www.sudokuwiki.org-0102-base.sdk
1 medium	xx-top500-376-base.sdk
1 medium	xx-top500-074-base.sdk
1 medium	xx-top500-182-base.sdk
1 medium	xx-top500-231-base.sdk
1 medium	xx-top500-052-base.sdk
1 medium	xx-top500-041-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060523-absurd-base.sdk
1 medium	xx-top95-056-base.sdk
1 medium	xx-top500-136-base.sdk
1 medium	zz-sudoku-de-739475-base.sdk
1 medium	xx-top500-487-base.sdk
1 medium	xx-top500-121-base.sdk
1 medium	xx-top500-029-base.sdk
1 medium	zz-www.sudokuwiki.org-0009-base.sdk
1 medium	xx-top500-263-base.sdk
1 medium	xx-top500-398-base.sdk
1 medium	xx-top500-399-base.sdk
1 medium	zz-sudoku-de-706185-base.sdk
1 medium	xx-top500-077-base.sdk
1 medium	xx-top500-286-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190323-absurd-base.sdk
1 medium	zz-sudoku-de-710629-base.sdk
1 medium	zz-www.sudokuwiki.org-0039-base.sdk
1 medium	zz-www.sudokuwiki.org-0121-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060830-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190107-absurd-base.sdk
1 medium	xx-top500-439-base.sdk
1 medium	xx-top500-191-base.sdk
1 medium	xx-top500-304-base.sdk
1 medium	zz-sudoku-de-697744-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060723-absurd-base.sdk
1 medium	xx-top500-013-base.sdk
1 medium	zz-www.sudokuwiki.org-0086-base.sdk
1 medium	xx-top500-446-base.sdk
1 medium	zz-menneske-no-06911818-base.sdk
1 medium	xx-top500-443-base.sdk
1 medium	xx-top500-155-base.sdk
1 medium	xx-top500-390-base.sdk
1 medium	xx-top500-309-base.sdk
1 medium	xx-top500-116-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190319-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060809-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060802-absurd-base.sdk
1 medium	xx-top500-381-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060720-absurd-base.sdk
1 medium	xx-top500-012-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190407-absurd-base.sdk
1 medium	xx-top500-444-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20060730-absurd-base.sdk
1 medium	xx-top500-236-base.sdk
1 medium	xx-top500-201-base.sdk
1 medium	xx-top500-273-base.sdk
1 medium	zz-www.sudokuwiki.org-0278-base.sdk
1 medium	xx-top500-458-base.sdk
1 medium	zz-google-002-base.sdk
1 medium	xx-top500-275-base.sdk
1 medium	zz-menneske-no-06909146-base.sdk
1 medium	xx-top500-339-base.sdk
1 medium	xx-top500-132-base.sdk
1 medium	xx-top500-093-base.sdk
1 medium	xx-top500-185-base.sdk
1 medium	zz-www.sudokuwiki.org-0014-base.sdk
1 medium	zz-www.sudokuwiki.org-0002-base.sdk
1 medium	xx-top500-104-base.sdk
1 medium	zz-menneske-no-06912341-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190318-absurd-base.sdk
1 medium	xx-top500-479-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060806-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060729-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060831-absurd-base.sdk
1 medium	xx-top500-258-base.sdk
1 medium	xx-top500-388-base.sdk
1 medium	xx-top95-011-base.sdk
1 medium	xx-top95-011-base.sdk
1 medium	xx-top500-298-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060515-absurd-base.sdk
1 medium	xx-top500-442-base.sdk
1 medium	xx-top95-016-base.sdk
1 medium	xx-top95-016-base.sdk
1 medium	xx-top500-039-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060621-absurd-base.sdk
1 medium	xx-top500-428-base.sdk
1 medium	xx-top95-028-base.sdk
1 medium	xx-top95-028-base.sdk
1 medium	xx-top500-076-base.sdk
1 medium	xx-top500-081-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190111-absurd-base.sdk
1 medium	zz-sudoku-de-770757-base.sdk
1 medium	xx-top500-425-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060510-absurd-base.sdk
1 medium	xx-top500-250-base.sdk
1 medium	xx-top500-325-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060506-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190317-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190122-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0096-base.sdk
1 medium	zz-www.sudokuwiki.org-0043-base.sdk
1 medium	xx-top500-262-base.sdk
1 medium	zz-sudoku-de-717677-base.sdk
1 medium	zz-www.sudokuwiki.org-0046-base.sdk
1 medium	zz-www.sudokuwiki.org-0065-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20060317-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060702-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190331-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060325-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060522-absurd-base.sdk
1 medium	xx-top500-159-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060627-absurd-base.sdk
1 medium	xx-top500-227-base.sdk
1 medium	xx-top500-366-base.sdk
1 medium	xx-top500-495-base.sdk
1 medium	xx-top500-144-base.sdk
1 medium	xx-top500-215-base.sdk
1 medium	xx-top500-289-base.sdk
1 medium	xx-top500-002-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060712-absurd-base.sdk
1 medium	xx-top500-040-base.sdk
1 medium	xx-top500-208-base.sdk
1 medium	xx-top500-462-base.sdk
1 medium	xx-top500-255-base.sdk
1 medium	xx-top500-125-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190117-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060726-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060520-absurd-base.sdk
1 medium	zz-menneske-no-06912583-base.sdk
1 medium	xx-top95-008-base.sdk
1 medium	xx-top95-008-base.sdk
1 medium	xx-top500-148-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190203-absurd-base.sdk
1 medium	xx-top500-374-base.sdk
1 medium	xx-top500-346-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060613-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060826-absurd-base.sdk
1 medium	xx-top500-400-base.sdk
1 medium	xx-top95-050-base.sdk
1 medium	xx-top95-050-base.sdk
1 medium	xx-top500-083-base.sdk
1 medium	xx-top500-435-base.sdk
1 medium	xx-top500-434-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190114-absurd-base.sdk
1 medium	xx-top500-133-base.sdk
1 medium	zz-sudoku-de-603428-base.sdk
1 medium	zz-www.sudokuwiki.org-0068-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060323-absurd-base.sdk
1 medium	xx-top95-094-base.sdk
1 medium	zz-www.sudokuwiki.org-0083-base.sdk
1 medium	zz-sudoku-de-691604-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060315-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060819-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060708-absurd-base.sdk
1 medium	xx-top500-472-base.sdk
1 medium	xx-top500-486-base.sdk
1 medium	xx-top500-164-base.sdk
1 medium	xx-top500-235-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-195-base.sdk
1 medium	xx-top500-310-base.sdk
1 medium	xx-top500-154-base.sdk
1 medium	xx-top500-068-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060614-absurd-base.sdk
1 medium	xx-top500-468-base.sdk
1 medium	xx-top500-050-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060624-absurd-base.sdk
1 medium	xx-top500-245-base.sdk
1 medium	xx-top500-475-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190328-absurd-base.sdk
1 medium	xx-top500-481-base.sdk
1 medium	xx-top95-009-base.sdk
1 medium	xx-top95-009-base.sdk
1 medium	xx-17-clue-enjoysudoku.com-000-9.0-rating-base.sdk
1 medium	xx-top500-482-base.sdk
1 medium	xx-top95-007-base.sdk
1 medium	xx-top95-007-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060610-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0125-base.sdk
1 medium	zz-www.sudokuwiki.org-0133-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190406-absurd-base.sdk
1 medium	xx-top500-268-base.sdk
1 medium	xx-top500-127-base.sdk
1 medium	xx-top500-265-base.sdk
1 medium	zz-sudoku-de-722388-base.sdk
1 medium	xx-top500-499-base.sdk
1 medium	xx-top500-483-base.sdk
1 medium	zz-sudoku-de-639650-base.sdk
1 medium	xx-top500-149-base.sdk
1 medium	xx-top500-302-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060821-absurd-base.sdk
1 medium	xx-top500-022-base.sdk
1 medium	xx-top500-350-base.sdk
1 medium	xx-top500-025-base.sdk
1 medium	xx-top500-422-base.sdk
1 medium	xx-top500-207-base.sdk
1 medium	zz-sudoku-de-720321-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060422-absurd-base.sdk
1 medium	xx-top500-257-base.sdk
1 medium	xx-top500-140-base.sdk
1 medium	xx-top500-051-base.sdk
1 medium	zz-www.sudokuwiki.org-0047-base.sdk
1 medium	xx-top500-417-base.sdk
1 medium	xx-top500-315-base.sdk
1 medium	zz-sudoku-de-665801-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060518-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060411-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060320-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060508-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060728-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060824-absurd-base.sdk
1 medium	xx-top500-024-base.sdk



HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20060501-absurd-base.sdk
1 medium	xx-top95-017-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190212-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060823-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0031-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190430-absurd-base.sdk
1 medium	xx-top500-411-base.sdk
1 medium	zz-sudoku-de-602142-base.sdk
1 medium	zz-www.sudokuwiki.org-0114-base.sdk
1 medium	xx-top500-379-base.sdk
1 medium	xx-top500-248-base.sdk
1 medium	zz-www.sudokuwiki.org-0090-base.sdk
1 medium	xx-top500-369-base.sdk
1 medium	xx-top500-233-base.sdk
1 medium	xx-top500-347-base.sdk
1 medium	xx-top500-331-base.sdk
1 medium	xx-top500-326-base.sdk
1 medium	xx-top500-163-base.sdk
1 medium	xx-top500-359-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190127-absurd-base.sdk
1 medium	xx-top500-407-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190306-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190109-absurd-base.sdk
1 medium	xx-top500-004-base.sdk
1 medium	xx-top500-092-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190108-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190311-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190221-absurd-base.sdk
1 medium	xx-top500-389-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190415-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190405-absurd-base.sdk
1 medium	xx-top500-351-base.sdk
1 medium	zz-menneske-no-06913216-base.sdk
1 medium	xx-top500-229-base.sdk
1 medium	xx-top500-108-base.sdk
1 medium	xx-top500-492-base.sdk
1 medium	xx-top500-075-base.sdk
1 medium	xx-top500-091-base.sdk
1 medium	xx-top500-330-base.sdk
1 medium	xx-top500-318-base.sdk
1 medium	xx-top500-329-base.sdk
1 medium	xx-top500-319-base.sdk
1 medium	xx-top500-145-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190120-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190424-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060625-absurd-base.sdk
1 medium	xx-top500-213-base.sdk
1 medium	xx-top500-018-base.sdk
1 medium	xx-top95-087-base.sdk
1 medium	xx-top95-035-base.sdk
1 medium	xx-top500-447-base.sdk
1 medium	xx-top500-441-base.sdk
1 medium	xx-top95-041-base.sdk

HDP Level	Sudoku
1 medium	xx-top95-041-base.sdk
1 medium	xx-top500-160-base.sdk
1 medium	xx-top500-032-base.sdk
1 medium	xx-top500-300-base.sdk
1 medium	xx-top500-096-base.sdk
1 medium	xx-top500-320-base.sdk
1 medium	xx-top500-321-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190208-absurd-base.sdk
1 medium	xx-top500-247-base.sdk
1 medium	zz-sudoku-de-677379-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190305-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060511-absurd-base.sdk
1 medium	xx-top500-135-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190115-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060419-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060606-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0138-base.sdk
1 medium	zz-www.sudokuwiki.org-0151-base.sdk
1 medium	zz-www.sudokuwiki.org-0025-base.sdk
1 medium	zz-www.sudokuwiki.org-0073-base.sdk
1 medium	xx-top500-470-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060512-absurd-base.sdk
1 medium	xx-top500-106-base.sdk
1 medium	xx-top500-436-base.sdk
1 medium	xx-top500-437-base.sdk
1 medium	xx-top500-496-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060426-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190102-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0141-base.sdk
1 medium	zz-www.sudokuwiki.org-0153-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190228-absurd-base.sdk
1 medium	xx-top500-308-base.sdk
1 medium	zz-www.sudokuwiki.org-0122-base.sdk
1 medium	xx-top500-049-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060725-absurd-base.sdk
1 medium	xx-top500-484-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060904-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190225-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0107-base.sdk
1 medium	xx-top500-010-base.sdk
1 medium	xx-top500-427-base.sdk
1 medium	xx-top95-046-base.sdk
1 medium	xx-top95-046-base.sdk
1 medium	xx-top500-003-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190414-absurd-base.sdk
1 medium	xx-top500-196-base.sdk
1 medium	zz-sudoku-de-651186-base.sdk
1 medium	xx-top500-307-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060425-absurd-base.sdk
1 medium	xx-top500-117-base.sdk
1 medium	zz-www.sudokuwiki.org-0131-base.sdk
1 medium	xx-top500-035-base.sdk
1 medium	xx-top500-386-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-090-base.sdk
1 medium	xx-top95-010-base.sdk
1 medium	xx-top95-010-base.sdk
1 medium	xx-top500-287-base.sdk
1 medium	xx-top500-256-base.sdk
1 medium	xx-top500-082-base.sdk
1 medium	xx-top500-037-base.sdk
1 medium	xx-top500-147-base.sdk
1 medium	xx-top500-464-base.sdk
1 medium	zz-www.sudokuwiki.org-0115-base.sdk
1 medium	xx-top500-285-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060910-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060530-absurd-base.sdk
1 medium	xx-top500-186-base.sdk
1 medium	zz-www.sudokuwiki.org-interesting-5x5-blank-center-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190129-absurd-base.sdk
1 medium	zz-sudoku-de-620657-base.sdk
1 medium	xx-top500-392-base.sdk
1 medium	zz-sudoku-de-636873-base.sdk
1 medium	zz-www.sudokuwiki.org-0008-base.sdk
1 medium	zz-www.sudokuwiki.org-0067-base.sdk
1 medium	xx-top500-019-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060907-absurd-base.sdk
1 medium	xx-top500-223-base.sdk
1 medium	zz-sudoku-de-601842-base.sdk
1 medium	xx-top500-080-base.sdk
1 medium	xx-top500-146-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060509-absurd-base.sdk
1 medium	zz-menneske-no-06908688-base.sdk
1 medium	xx-top500-165-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190126-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0097-base.sdk
1 medium	xx-top500-045-base.sdk
1 medium	zz-www.sudokuwiki.org-0042-base.sdk
1 medium	xx-top500-451-base.sdk
1 medium	xx-top500-111-base.sdk
1 medium	xx-top500-162-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060711-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0018-base.sdk
1 medium	zz-www.sudokuwiki.org-0026-base.sdk
1 medium	xx-top95-032-base.sdk
1 medium	xx-top500-124-base.sdk
1 medium	xx-top500-393-base.sdk
1 medium	xx-top500-109-base.sdk
1 medium	zz-sudoku-de-752645-base.sdk
1 medium	xx-top500-274-base.sdk
1 medium	xx-top500-046-base.sdk
1 medium	zz-sudoku-de-792840-base.sdk
1 medium	zz-sudoku-de-759127-base.sdk
1 medium	xx-top500-405-base.sdk
1 medium	xx-top500-413-base.sdk
1 medium	xx-top500-408-base.sdk
1 medium	xx-top95-068-base.sdk

HDP Level	Sudoku
1 medium	xx-top95-068-base.sdk
1 medium	xx-top500-387-base.sdk
1 medium	xx-top500-334-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060623-absurd-base.sdk
1 medium	xx-top500-426-base.sdk
1 medium	zz-www.sudokuwiki.org-0038-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060507-absurd-base.sdk
1 medium	xx-top500-027-base.sdk
1 medium	xx-top500-283-base.sdk
1 medium	xx-top500-406-base.sdk
1 medium	zz-www.sudokuwiki.org-0152-base.sdk
1 medium	zz-www.sudokuwiki.org-0024-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190301-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190205-absurd-base.sdk
1 medium	xx-top500-057-base.sdk
1 medium	xx-top500-418-base.sdk
1 medium	xx-top95-093-base.sdk
1 medium	xx-top500-356-base.sdk
1 medium	xx-top500-178-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190201-absurd-base.sdk
1 medium	xx-top500-438-base.sdk
1 medium	xx-top500-352-base.sdk
1 medium	zz-www.sudokuwiki.org-0283-base.sdk
1 medium	xx-top95-012-base.sdk
1 medium	xx-top500-065-base.sdk
1 medium	xx-top500-198-base.sdk
1 medium	xx-top95-070-base.sdk
1 medium	xx-top500-134-base.sdk
1 medium	xx-top500-242-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060404-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0093-base.sdk
1 medium	xx-top500-349-base.sdk
1 medium	xx-top500-107-base.sdk
1 medium	xx-top95-058-base.sdk
1 medium	xx-top500-033-base.sdk
1 medium	zz-www.sudokuwiki.org-0119-base.sdk
1 medium	xx-top500-322-base.sdk
1 medium	xx-top500-323-base.sdk
1 medium	zz-www.sudokuwiki.org-0117-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060611-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0081-base.sdk
1 medium	xx-top500-455-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060406-absurd-base.sdk
1 medium	zz-menneske-no-06913279-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190128-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0123-base.sdk
1 medium	xx-top500-171-base.sdk
1 medium	zz-www.sudokuwiki.org-0126-base.sdk
1 medium	zz-sudoku-de-709857-base.sdk
1 medium	zz-sudoku-de-692870-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190302-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0059-base.sdk
1 medium	xx-top500-086-base.sdk

HDP Level	Sudoku
1 medium	xx-top500-152-base.sdk
1 medium	xx-top500-072-base.sdk
1 medium	xx-top500-429-base.sdk
1 medium	xx-top500-174-base.sdk
1 medium	xx-top500-183-base.sdk
1 medium	xx-top500-272-base.sdk
1 medium	xx-top500-336-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060429-absurd-base.sdk
1 medium	zz-sudoku-de-622251-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060516-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060704-absurd-base.sdk
1 medium	xx-top500-214-base.sdk
1 medium	xx-top500-212-base.sdk
1 medium	xx-top95-092-base.sdk
1 medium	zz-www.sudokuwiki.org-0023-base.sdk
1 medium	xx-top500-338-base.sdk
1 medium	zz-www.sudokuwiki.org-0287-base.sdk
1 medium	zz-www.sudokuwiki.org-0057-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190425-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060706-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0013-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190110-absurd-base.sdk
1 medium	zz-sudoku-de-707313-base.sdk
1 medium	xx-top95-083-base.sdk
1 medium	xx-top95-083-base.sdk
1 medium	xx-top500-490-base.sdk
1 medium	zz-www.sudokuwiki.org-0021-base.sdk
1 medium	xx-top500-166-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190224-absurd-base.sdk
1 medium	xx-top95-089-base.sdk
1 medium	xx-top500-190-base.sdk
1 medium	xx-top500-363-base.sdk
1 medium	zz-www.sudokuwiki.org-0062-base.sdk
1 medium	xx-top95-091-base.sdk
1 medium	xx-top500-277-base.sdk
1 medium	zz-www.sudokuwiki.org-0003-base.sdk
1 medium	xx-top500-370-base.sdk
1 medium	xx-top500-249-base.sdk
1 medium	zz-www.sudokuwiki.org-interesting-squeezed-naughts-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190112-absurd-base.sdk
1 medium	xx-top500-230-base.sdk
1 medium	xx-top95-082-base.sdk
1 medium	zz-www.sudokuwiki.org-0048-base.sdk
1 medium	xx-top500-216-base.sdk
1 medium	xx-top95-059-base.sdk
1 medium	zz-www.sudokuwiki.org-0127-base.sdk
1 medium	xx-top500-194-base.sdk
1 medium	xx-top95-029-base.sdk
1 medium	xx-top500-061-base.sdk
1 medium	xx-top500-069-base.sdk
1 medium	zz-www.sudokuwiki.org-0147-base.sdk
1 medium	xx-top500-433-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060331-absurd-base.sdk

HDP Level	Sudoku
1 medium	zz-www.sudokuoftheday.co.uk-20060629-absurd-base.sdk
1 medium	xx-top500-264-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060601-absurd-base.sdk
1 medium	xx-top95-088-base.sdk
1 medium	zz-menneske-no-06911767-base.sdk
1 medium	xx-top500-222-base.sdk
1 medium	xx-top500-097-base.sdk
1 medium	xx-top500-100-base.sdk
1 medium	xx-top500-101-base.sdk
1 medium	xx-top95-085-base.sdk
1 medium	xx-top500-471-base.sdk
1 medium	xx-top95-064-base.sdk
1 medium	xx-top500-279-base.sdk
1 medium	xx-top500-364-base.sdk
1 medium	xx-top500-424-base.sdk
1 medium	xx-top500-337-base.sdk
1 medium	xx-top500-384-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190101-absurd-base.sdk
1 medium	xx-top500-278-base.sdk
1 medium	xx-top95-005-base.sdk
1 medium	xx-top95-005-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190121-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190310-absurd-base.sdk
1 medium	xx-top500-494-base.sdk
1 medium	xx-top95-080-base.sdk
1 medium	zz-www.sudokuwiki.org-0012-base.sdk
1 medium	xx-top500-128-base.sdk
1 medium	xx-top95-054-base.sdk
1 medium	xx-top500-440-base.sdk
1 medium	xx-top500-430-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190219-absurd-base.sdk
1 medium	zz-menneske-no-06900773-base.sdk
1 medium	xx-top500-342-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060517-absurd-base.sdk
1 medium	zz-menneske-no-06903546-base.sdk
1 medium	zz-www.sudokuwiki.org-0130-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060607-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190304-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060327-absurd-base.sdk
1 medium	xx-top500-404-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190227-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060430-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20060603-absurd-base.sdk
1 medium	xx-top500-099-base.sdk
1 medium	zz-www.sudokuwiki.org-0082-base.sdk
1 medium	zz-www.sudokuwiki.org-0100-base.sdk
1 medium	xx-top500-005-base.sdk
1 medium	xx-top500-042-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190416-absurd-base.sdk
1 medium	zz-www.sudokuwiki.org-0091-base.sdk
1 medium	xx-top500-252-base.sdk
1 medium	zz-www.sudokuwiki.org-0069-base.sdk
1 medium	zz-www.sudokuwiki.org-0074-base.sdk



HDP Level	Sudoku
1 medium	xx-top500-113-base.sdk
1 medium	zz-menneske-no-06910690-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190322-absurd-base.sdk
1 medium	zz-www.sudokuoftheday.co.uk-20190217-absurd-base.sdk
1 medium	xx-top500-259-base.sdk
1 medium	xx-top500-401-base.sdk
1 medium	zz-menneske-no-06911017-base.sdk
1 medium	xx-top500-488-base.sdk
1 medium	zz-menneske-no-06912919-base.sdk
1 medium	xx-top500-377-base.sdk
1 medium	xx-top500-354-base.sdk
1 medium	xx-top500-226-base.sdk
1 medium	zz-www.sudokuwiki.org-0095-base.sdk
1 medium	xx-top500-431-base.sdk
1 medium	xx-top500-028-base.sdk
1 medium	xx-top95-071-base.sdk
1 medium	xx-top95-071-base.sdk
1 medium	xx-top500-295-base.sdk
1 medium	zz-menneske-no-06902129-base.sdk
1 medium	zz-www.sudokuwiki.org-0280-base.sdk
2 hard	xx-top95-048-base.sdk
2 hard	zz-www.sudokuwiki.org-0288-base.sdk
2 hard	xx-top95-045-base.sdk
2 hard	zz-www.sudokuwiki.org-0099-base.sdk
2 hard	zz-www.sudokuwiki.org-0264-base.sdk
2 hard	zz-www.sudokuwiki.org-0136-base.sdk
2 hard	xx-top500-297-base.sdk
2 hard	zz-www.sudokuwiki.org-0055-base.sdk
2 hard	xx-top500-402-base.sdk
2 hard	zz-www.sudokuwiki.org-0207-base.sdk
2 hard	zz-www.sudokuwiki.org-0194-base.sdk
2 hard	zz-www.sudokuwiki.org-0209-base.sdk
2 hard	zz-www.sudokuwiki.org-0037-base.sdk
2 hard	xx-top500-200-base.sdk
2 hard	zz-www.sudokuwiki.org-0269-base.sdk
2 hard	xx-top95-066-base.sdk
2 hard	xx-top95-066-work.sdk
2 hard	xx-top500-476-base.sdk
2 hard	zz-www.sudokuwiki.org-0284-base.sdk
2 hard	xx-top500-391-base.sdk
2 hard	zz-www.sudokuwiki.org-0060-base.sdk
2 hard	zz-www.sudokuwiki.org-0015-base.sdk
2 hard	xx-top500-206-base.sdk
2 hard	zz-www.sudokuwiki.org-0101-base.sdk
2 hard	xx-top500-088-base.sdk
2 hard	zz-www.sudokuwiki.org-0182-base.sdk
2 hard	zz-www.sudokuwiki.org-0139-base.sdk
2 hard	zz-www.sudokuwiki.org-0019-base.sdk
2 hard	zz-www.sudokuwiki.org-0285-base.sdk
2 hard	xx-top95-069-base.sdk
2 hard	zz-www.sudokuwiki.org-0072-base.sdk
2 hard	zz-www.sudokuwiki.org-0077-base.sdk
2 hard	zz-www.sudokuwiki.org-0094-base.sdk

HDP Level	Sudoku
2 hard	xx-tarx0134-base.sdk
2 hard	zz-www.sudokuwiki.org-0272-base.sdk
2 hard	zz-www.sudokuwiki.org-0319-base.sdk
2 hard	zz-www.sudokuwiki.org-0051-base.sdk
2 hard	zz-www.sudokuwiki.org-0098-base.sdk
2 hard	zz-www.sudokuwiki.org-0063-base.sdk
2 hard	zz-www.sudokuwiki.org-0237-base.sdk
2 hard	zz-www.sudokuwiki.org-0006-base.sdk
2 hard	zz-www.sudokuwiki.org-0179-base.sdk
2 hard	zz-www.sudokuwiki.org-0029-base.sdk
2 hard	zz-www.sudokuwiki.org-0324-base.sdk
2 hard	zz-www.sudokuwiki.org-0248-base.sdk
2 hard	xx-top500-343-base.sdk
2 hard	zz-www.sudokuwiki.org-0202-base.sdk
2 hard	zz-www.sudokuwiki.org-0056-base.sdk
2 hard	zz-www.sudokuwiki.org-0054-base.sdk
2 hard	xx-top95-072-base.sdk
2 hard	zz-www.sudokuwiki.org-0273-base.sdk
2 hard	zz-www.sudokuwiki.org-0052-base.sdk
2 hard	zz-www.sudokuwiki.org-0321-base.sdk
2 hard	zz-www.sudokuwiki.org-0113-base.sdk
2 hard	zz-www.sudokuwiki.org-0154-base.sdk
2 hard	zz-www.sudokuwiki.org-0282-base.sdk
2 hard	zz-www.sudokuwiki.org-0286-base.sdk
2 hard	zz-www.sudokuwiki.org-0205-base.sdk
2 hard	xx-ph-00000149-123-base.sdk
2 hard	zz-www.sudokuwiki.org-0229-base.sdk
2 hard	xx-coly001-base.sdk
2 hard	zz-www.sudokuwiki.org-0334-base.sdk
2 hard	zz-www.sudokuwiki.org-0336-base.sdk
2 hard	zz-www.sudokuwiki.org-0309-base.sdk
2 hard	zz-www.sudokuwiki.org-0330-base.sdk
2 hard	zz-www.sudokuwiki.org-0173-base.sdk
2 hard	xx-AI-Escargot-work.sdk
2 hard	xx-colx1665-base.sdk
2 hard	xx-colx062-base.sdk
2 hard	zz-www.sudokuwiki.org-0332-base.sdk
2 hard	zz-www.sudokuwiki.org-0185-base.sdk
2 hard	zz-www.sudokuwiki.org-0210-base.sdk
2 hard	xx-tarx0141-base.sdk
2 hard	xx-tarx0062-base.sdk
2 hard	zz-www.sudokuwiki.org-0345-base.sdk
2 hard	zz-www.sudokuwiki.org-0328-base.sdk
2 hard	zz-www.sudokuwiki.org-0343-base.sdk
2 hard	zz-www.sudokuwiki.org-0189-base.sdk
2 hard	zz-www.sudokuwiki.org-0214-base.sdk
2 hard	xx-tarx0005-base.sdk
2 hard	zz-www.sudokuwiki.org-0223-base.sdk
2 hard	xx-tarx0131-base.sdk
2 hard	xx-cola351_56_5_48_0_466K_1BB_r2c7_r4c8_r7c9_5_5_110K-base.sdk
2 hard	xx-cola095_16_6_10_1_136K_1BB_r5c9_r3c8_r7c7_1BB_r6c9_r3c8_r7c7_1_7_32K-base.sdk
2 hard	zz-www.sudokuwiki.org-0294-base.sdk
2 hard	zz-www.sudokuwiki.org-0296-base.sdk

HDP Level	Sudoku
2 hard	xx-tarx0140-base.sdk
2 hard	xx-HardestSudokusThread-00205-base.sdk
2 hard	xx-coly006-base.sdk
2 hard	zz-www.sudokuwiki.org-0192-base.sdk
2 hard	xx-tarx0067-base.sdk
2 hard	xx-coly009-base.sdk
2 hard	xx-worlds-hardest-sudoku-base.sdk
2 hard	xx-cola199_33_0_14_0_243K_1BB_r8c9_r2c7_r4c8_BBr89c9_r2c7_r4c8_-base.sdk
2 hard	xx-TungstonRod-base.sdk
2 hard	zz-www.sudokuwiki.org-0170-base.sdk
2 hard	xx-cola317_79_7_17_0_151K_1BB_r2c7_r4c8_r7c9_4_7_69K-base.sdk
2 hard	xx-coly010-base.sdk
2 hard	xx-colx467-base.sdk
2 hard	xx-HardestSudokusThread-00206-base.sdk
2 hard	xx-coly012-base.sdk
2 hard	zz-www.sudokuwiki.org-0257-base.sdk
2 hard	xx-pearly6000-3819-base.sdk
2 hard	xx-tarx0139-base.sdk
2 hard	zz-www.sudokuwiki.org-0161-base.sdk
2 hard	zz-www.sudokuwiki.org-0279-base.sdk
2 hard	xx-ph-01115626-13_09-base.sdk
2 hard	xx-ph-02210350-2018_12_06-base.sdk
2 hard	xx-ph-01627975-14_09-base.sdk
2 hard	zz-www.sudokuwiki.org-0314-base.sdk
2 hard	xx-ph-00033318-2012_04-base.sdk
2 hard	xx-ph-01115833-13_09-base.sdk
2 hard	zz-www.sudokuwiki.org-0335-base.sdk
2 hard	zz-www.sudokuwiki.org-0313-base.sdk
2 hard	xx-ph-02716632-2019_08_1120_160-base.sdk
2 hard	xx-ph-00014315-kz1a-base.sdk
2 hard	xx-ph-02236627-2018_12_25-base.sdk
2 hard	zz-www.sudokuwiki.org-0295-base.sdk
2 hard	zz-www.sudokuwiki.org-0331-base.sdk
2 hard	xx-ph-00976033-13_03-base.sdk
2 hard	xx-ph-00000044-H7-base.sdk
2 hard	zz-www.sudokuwiki.org-0323-base.sdk
2 hard	xx-ph-02345674-2019_05_01-base.sdk
2 hard	xx-ph-00033190-2012_04-base.sdk
2 hard	xx-ph-00024392-KC40b-base.sdk
2 hard	xx-ph-00000096-49-base.sdk
2 hard	xx-ph-00000067-L6-base.sdk
2 hard	xx-ph-00000115-55-base.sdk
2 hard	xx-tarx0061-base.sdk
2 hard	xx-tarx0004-base.sdk
2 hard	xx-tarx0011-base.sdk
2 hard	xx-ph-00248011-12_12_03-base.sdk
2 hard	xx-ph-02316170-2019_3_5-base.sdk
2 hard	xx-cola010_50_8_35_3_432K_3BB_r12c7_r4c8_r7c9_5_8_154K-base.sdk
2 hard	xx-ph-00247935-12_12_03-base.sdk
2 hard	xx-tarx0059-base.sdk
2 hard	xx-pearly6000-3774-base.sdk
2 hard	xx-tarx0137-base.sdk
2 hard	xx-ph-00459479-12_12_03-base.sdk

HDP Level	Sudoku
2 hard	xx-tarx0080-base.sdk
2 hard	xx-tarx0035-base.sdk
2 hard	xx-ph-00247946-12_12_03-base.sdk
2 hard	xx-tarx0010-base.sdk
2 hard	xx-tarx0014-base.sdk
2 hard	xx-tarx0003-base.sdk
2 hard	xx-tarx0051-base.sdk
2 hard	xx-ph-01416320-14_06-base.sdk
2 hard	xx-ph-00247973-12_12_03-base.sdk
2 hard	xx-ph-02210326-2018_12_06-base.sdk
2 hard	xx-ph-01417363-14_06-base.sdk
2 hard	xx-ph-02321121-2019_03_16-base.sdk
2 hard	xx-ph-00019083-KZ1C-base.sdk
2 hard	xx-ph-02318600-2019_03_16-base.sdk
2 hard	xx-ph-02317633-2019_03_16-base.sdk
2 hard	xx-ph-00000118-H11-base.sdk
2 hard	xx-ph-02320355-2019_03_16-base.sdk
2 hard	xx-ph-00024410-KC40b-base.sdk
3 deep	xx-top500-397-base.sdk
3 deep	xx-top500-112-base.sdk
3 deep	xx-top500-409-base.sdk
3 deep	xx-top500-156-base.sdk
3 deep	xx-top500-450-base.sdk
3 deep	xx-top500-296-base.sdk
3 deep	zz-www.sudokuwiki.org-0301-base.sdk
3 deep	xx-tarx0012-base.sdk
3 deep	xx-top500-414-base.sdk
3 deep	xx-top500-456-base.sdk
3 deep	xx-top500-463-base.sdk
3 deep	zz-www.sudokuwiki.org-0224-base.sdk
3 deep	xx-ph-00000110-52-base.sdk
3 deep	xx-ph-00000113-57-base.sdk
3 deep	xx-ph-00000095-48-base.sdk
3 deep	xx-ph-00000129-113-base.sdk
3 deep	xx-HardestSudokusThread-00220-base.sdk
3 deep	xx-ph-00000068-25-base.sdk
3 deep	xx-ph-00000063-23-base.sdk
3 deep	xx-ph-00000143-121-base.sdk
3 deep	xx-ph-00000106-50-base.sdk
3 deep	zz-www.sudokuwiki.org-0160-base.sdk
3 deep	zz-www.sudokuwiki.org-0085-base.sdk
3 deep	zz-www.sudokuwiki.org-0157-base.sdk
3 deep	zz-www.sudokuwiki.org-0172-base.sdk
3 deep	zz-www.sudokuwiki.org-0221-base.sdk
3 deep	xx-ph-00000030-5-base.sdk
3 deep	xx-ph-00000033-6-base.sdk
3 deep	xx-HardestSudokusThread-00221-base.sdk
3 deep	xx-ph-00000151-H4-base.sdk
3 deep	xx-ph-00000152-126-base.sdk
3 deep	xx-İmam_bayildi-base.sdk
3 deep	xx-ph-00000006-2-base.sdk
3 deep	xx-ph-00000090-45-base.sdk
3 deep	zz-www.sudokuwiki.org-0198-base.sdk

HDP Level	Sudoku
3 deep	zz-www.sudokuwiki.org-0289-base.sdk
3 deep	xx-cola036_44_8_21_4_441K_34_9_256K-base.sdk
3 deep	zz-www.sudokuwiki.org-0340-base.sdk
3 deep	zz-www.sudokuwiki.org-0325-base.sdk
3 deep	xx-ph-00225595-ig193-base.sdk
3 deep	xx-tarx0052-base.sdk
3 deep	xx-ph-00247985-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0260-base.sdk
3 deep	zz-www.sudokuwiki.org-0158-base.sdk
3 deep	zz-www.sudokuwiki.org-0230-base.sdk
3 deep	zz-www.sudokuwiki.org-0302-base.sdk
3 deep	xx-ph-00247926-12_12_03-base.sdk
3 deep	xx-ph-00247986-12_12_03-base.sdk
3 deep	xx-ph-00635330-12_12-base.sdk
3 deep	zz-www.sudokuwiki.org-0338-base.sdk
3 deep	zz-www.sudokuwiki.org-0232-base.sdk
3 deep	xx-ph-00762564-12_12_17s-base.sdk
3 deep	xx-ph-00247962-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0231-base.sdk
3 deep	xx-ph-00248078-12_12_03-base.sdk
3 deep	xx-ph-00248071-12_12_03-base.sdk
3 deep	xx-coly004-base.sdk
3 deep	zz-www.sudokuwiki.org-0308-base.sdk
3 deep	zz-www.sudokuwiki.org-0307-base.sdk
3 deep	xx-cola093_30_1_15_2_260K_BBr3c1246_r4c8_r7c9_BBr12c7_r4c8_r7c9_21_5_170K-base.sdk
3 deep	xx-tarx0037-base.sdk
3 deep	xx-ph-00762568-12_12_17s-base.sdk
3 deep	xx-ph-00248044-12_12_03-base.sdk
3 deep	xx-colx001-base.sdk
3 deep	zz-www.sudokuwiki.org-0206-base.sdk
3 deep	xx-ph-00247983-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0344-base.sdk
3 deep	zz-www.sudokuwiki.org-0298-base.sdk
3 deep	xx-cola259_26_3_11_6_240K_BBr3c1246_r4c8_r7c9_BBr12c7_r4c8_r7c9_BBr5689c9_r3c7_r4c8_26_6_208K-
3 deep	zz-www.sudokuwiki.org-0226-base.sdk
3 deep	zz-www.sudokuwiki.org-0311-base.sdk
3 deep	xx-ph-00248045-12_12_03-base.sdk
3 deep	xx-ph-00295591-12_12_03-base.sdk
3 deep	xx-ph-00248049-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0339-base.sdk
3 deep	zz-www.sudokuwiki.org-0213-base.sdk
3 deep	xx-ph-00762566-12_12_17s-base.sdk
3 deep	xx-cola607_60_8_32_0_398K_38_0_229K-base.sdk
3 deep	zz-www.sudokuwiki.org-0292-base.sdk
3 deep	xx-ph-00247982-12_12_03-base.sdk
3 deep	xx-ph-00248068-12_12_03-base.sdk
3 deep	xx-ph-00248065-12_12_03-base.sdk
3 deep	xx-ph-00247918-12_12_03-base.sdk
3 deep	xx-ph-00247966-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0259-base.sdk
3 deep	xx-ph-00762572-12_12_17s-base.sdk
3 deep	zz-www.sudokuwiki.org-0252-base.sdk
3 deep	xx-ph-00247932-12_12_03-base.sdk

HDP Level	Sudoku
3 deep	zz-www.sudokuwiki.org-0251-base.sdk
3 deep	xx-ph-00000043-H6-base.sdk
3 deep	xx-ph-01122307-13_09-base.sdk
3 deep	xx-ph-00033460-2012_04-base.sdk
3 deep	xx-ph-02123953-2018_11_28-base.sdk
3 deep	xx-ph-02123948-2018_11_28-base.sdk
3 deep	xx-ph-02123975-2018_12_01-base.sdk
3 deep	xx-ph-02123983-2018_12_01-base.sdk
3 deep	xx-ph-02123954-2018_11_28-base.sdk
3 deep	xx-ph-02123982-2018_12_01-base.sdk
3 deep	xx-ph-00000036-H5-base.sdk
3 deep	zz-www.sudokuwiki.org-0316-base.sdk
3 deep	xx-ph-00019768-KZ1C-base.sdk
3 deep	xx-ph-00014293-kz1a-base.sdk
3 deep	xx-ph-01116420-13_09-base.sdk
3 deep	xx-ph-00009375-cy4-base.sdk
3 deep	xx-ph-00023862-KZ1C-base.sdk
3 deep	xx-ph-02124001-2018_12_01-base.sdk
3 deep	zz-www.sudokuwiki.org-0333-base.sdk
3 deep	xx-ph-00033117-2012_04-base.sdk
3 deep	xx-ph-00019524-KZ1C-base.sdk
3 deep	zz-www.sudokuwiki.org-0337-base.sdk
3 deep	xx-ph-02123973-2018_12_01-base.sdk
3 deep	xx-ph-02123974-2018_12_01-base.sdk
3 deep	xx-ph-00029132-2011_12-base.sdk
3 deep	xx-ph-02316407-2019_01_13-base.sdk
3 deep	xx-ph-02316409-2019_01_13-base.sdk
3 deep	xx-ph-02123996-2018_12_01-base.sdk
3 deep	xx-ph-02210363-2018_12_06-base.sdk
3 deep	xx-ph-01116460-13_09-base.sdk
3 deep	xx-ph-02316410-2019_01_13-base.sdk
3 deep	xx-ph-02123998-2018_12_01-base.sdk
3 deep	xx-ph-02316411-2019_01_13-base.sdk
3 deep	xx-ph-02237035-2019_01_07-base.sdk
3 deep	xx-ph-02237036-2019_01_07-base.sdk
3 deep	xx-ph-02237037-2019_01_07-base.sdk
3 deep	xx-ph-02316408-2019_01_13-base.sdk
3 deep	xx-ph-02123962-2018_11_28-base.sdk
3 deep	xx-ph-02123997-2018_12_01-base.sdk
3 deep	xx-ph-02210362-2018_12_06-base.sdk
3 deep	xx-ph-00018757-KZ1C-base.sdk
3 deep	zz-www.sudokuwiki.org-0327-base.sdk
3 deep	xx-ph-02123999-2018_12_01-base.sdk
3 deep	xx-ph-02124000-2018_12_01-base.sdk
3 deep	xx-ph-02316417-2019_01_13-base.sdk
3 deep	zz-www.sudokuwiki.org-0299-base.sdk
3 deep	zz-www.sudokuwiki.org-0312-base.sdk
3 deep	xx-ph-00035011-12_05-base.sdk
3 deep	xx-ph-00035012-12_05-base.sdk
3 deep	xx-ph-00035013-12_05-base.sdk
3 deep	xx-ph-00034395-12_05-base.sdk
3 deep	xx-ph-02123939-2018_11_28-base.sdk
3 deep	xx-ph-02123965-2018_12_01-base.sdk



HDP Level	Sudoku
3 deep	xx-ph-01115818-13_09-base.sdk
3 deep	xx-ph-02123949-2018_11_28-base.sdk
3 deep	xx-ph-00000123-H16-base.sdk
3 deep	zz-www.sudokuwiki.org-0329-base.sdk
3 deep	xx-ph-02236990-2019_01_07-base.sdk
3 deep	xx-ph-02123972-2018_12_01-base.sdk
3 deep	xx-ph-02123976-2018_12_01-base.sdk
3 deep	xx-ph-02123946-2018_11_28-base.sdk
3 deep	xx-ph-02123977-2018_12_01-base.sdk
3 deep	xx-ph-02210324-2018_12_06-base.sdk
3 deep	xx-ph-00015845-Kz1_b-base.sdk
3 deep	xx-ph-00034190-12_05-base.sdk
3 deep	xx-ph-02320323-2019_03_18-base.sdk
3 deep	xx-ph-00034687-12_05-base.sdk
3 deep	xx-ph-02123950-2018_11_28-base.sdk
3 deep	xx-ph-02123978-2018_12_01-base.sdk
3 deep	xx-ph-02210325-2018_12_06-base.sdk
3 deep	xx-ph-00000127-H17-base.sdk
3 deep	xx-ph-01116334-13_09-base.sdk
3 deep	xx-ph-02236637-2018_12_25-base.sdk
3 deep	xx-ph-02236966-2019_01_07-base.sdk
3 deep	xx-ph-02210357-2018_12_06-base.sdk
3 deep	xx-ph-02123990-2018_12_01-base.sdk
3 deep	xx-ph-02210356-2018_12_06-base.sdk
3 deep	zz-www.sudokuwiki.org-0320-base.sdk
3 deep	zz-www.sudokuwiki.org-0322-base.sdk
3 deep	xx-ph-02123991-2018_12_01-base.sdk
3 deep	xx-ph-02123992-2018_12_01-base.sdk
3 deep	xx-ph-02123993-2018_12_01-base.sdk
3 deep	xx-ph-02123994-2018_12_01-base.sdk
3 deep	zz-www.sudokuwiki.org-0326-base.sdk
3 deep	xx-ph-02487793-2019_08_05_a-base.sdk
3 deep	xx-ph-02487814-2019_08_05_a-base.sdk
3 deep	zz-www.sudokuwiki.org-0291-base.sdk
3 deep	xx-ph-02487239-2019_08_05_a-base.sdk
3 deep	xx-ph-02487238-2019_08_05_a-base.sdk
3 deep	xx-HardestSudokusThread-00214-base.sdk
3 deep	xx-ph-00000027-13-base.sdk
3 deep	xx-ph-00000048-L3-base.sdk
3 deep	xx-ph-00000008-16-base.sdk
3 deep	xx-ph-00000046-L2-base.sdk
3 deep	xx-ph-00000065-22-base.sdk
3 deep	xx-ph-00000121-35-base.sdk
3 deep	xx-ph-00000049-29-base.sdk
3 deep	xx-ph-00000107-51-base.sdk
3 deep	xx-HardestSudokusThread-00087-base.sdk
3 deep	xx-ph-00000016-18-base.sdk
3 deep	xx-ph-00000109-53-base.sdk
3 deep	xx-ph-00000093-46-base.sdk
3 deep	xx-ph-00000108-54-base.sdk
3 deep	xx-HardestSudokusThread-00222-base.sdk
3 deep	xx-ph-00000034-8-base.sdk
3 deep	xx-ph-00000070-19-base.sdk

HDP Level	Sudoku
3 deep	xx-ph-00000122-36-base.sdk
3 deep	xx-ph-00000147-124-base.sdk
3 deep	xx-HardestSudokusThread-00223-base.sdk
3 deep	xx-ph-00000029-7-base.sdk
3 deep	xx-ph-00000085-62-base.sdk
3 deep	xx-Cheese-base.sdk
3 deep	xx-Cheese-check.sdk
3 deep	xx-ph-00000004-3-base.sdk
3 deep	xx-ph-00000114-L9-base.sdk
3 deep	xx-HardestSudokusThread-00225-base.sdk
3 deep	xx-ph-00000072-27-base.sdk
3 deep	xx-ph-00000089-42-base.sdk
3 deep	xx-ph-00000066-24-base.sdk
3 deep	xx-ph-00000119-L10-base.sdk
3 deep	xx-HardestSudokusThread-00191-base.sdk
3 deep	xx-Kolk-base.sdk
3 deep	xx-ph-00000002-second_flush-base.sdk
3 deep	zz-www.sudokuwiki.org-0146-base.sdk
3 deep	xx-dukdiamond2-base.sdk
3 deep	xx-ph-00225588-ig193-base.sdk
3 deep	xx-pearly6000-3046-base.sdk
3 deep	xx-tarx0002-base.sdk
3 deep	xx-ph-00248051-12_12_03-base.sdk
3 deep	xx-ph-00247990-12_12_03-base.sdk
3 deep	xx-ph-00762565-12_12_17s-base.sdk
3 deep	xx-ph-00247974-12_12_03-base.sdk
3 deep	xx-HardestSudokusThread-00051-base.sdk
3 deep	xx-ph-00296393-12_12_03-base.sdk
3 deep	xx-ph-00248058-12_12_03-base.sdk
3 deep	xx-ph-00394151-12_12_03-base.sdk
3 deep	xx-ph-00635333-12_12-base.sdk
3 deep	xx-ph-00247988-12_12_03-base.sdk
3 deep	xx-ph-00247993-12_12_03-base.sdk
3 deep	xx-ph-00762563-12_12_17s-base.sdk
3 deep	xx-tarx0013-base.sdk
3 deep	xx-pearly6000-1801-base.sdk
3 deep	xx-tarx0108-base.sdk
3 deep	xx-ph-00247979-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0341-base.sdk
3 deep	xx-ph-00767939-13_01-base.sdk
3 deep	xx-ph-00248048-12_12_03-base.sdk
3 deep	xx-ph-00247995-12_12_03-base.sdk
3 deep	xx-HardestSudokusThread-00085-base.sdk
3 deep	zz-www.sudokuwiki.org-0315-base.sdk
3 deep	xx-weekender1-base.sdk
3 deep	xx-HardestSudokusThread-00055-base.sdk
3 deep	xx-ph-00000022-m_b_metcalf-base.sdk
3 deep	xx-ph-00762569-12_12_17s-base.sdk
3 deep	xx-ph-00762570-12_12_17s-base.sdk
3 deep	xx-ph-00762571-12_12_17s-base.sdk
3 deep	xx-ph-00762573-12_12_17s-base.sdk
3 deep	xx-ph-00305588-12_12_03-base.sdk
3 deep	xx-ph-01682979-Lightsaber-base.sdk

HDP Level	Sudoku
3 deep	xx-tarx0008-base.sdk
3 deep	xx-ph-00247976-12_12_03-base.sdk
3 deep	xx-ph-00247978-12_12_03-base.sdk
3 deep	xx-ph-00635332-12_12-base.sdk
3 deep	xx-ph-00247987-12_12_03-base.sdk
3 deep	xx-ph-00247992-12_12_03-base.sdk
3 deep	xx-ph-00247991-12_12_03-base.sdk
3 deep	xx-ph-00248039-12_12_03-base.sdk
3 deep	xx-colx039-base.sdk
3 deep	xx-colx1890-base.sdk
3 deep	xx-colx155-base.sdk
3 deep	xx-ph-00248040-12_12_03-base.sdk
3 deep	xx-ph-00296439-12_12_03-base.sdk
3 deep	xx-ph-00296430-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0276-base.sdk
3 deep	xx-ph-00247933-12_12_03-base.sdk
3 deep	xx-ph-00248050-12_12_03-base.sdk
3 deep	xx-ph-00248046-12_12_03-base.sdk
3 deep	zz-www.sudokuwiki.org-0165-base.sdk
3 deep	zz-www.sudokuwiki.org-0242-base.sdk
3 deep	xx-ph-00247965-12_12_03-base.sdk
3 deep	xx-tarx0007-base.sdk
3 deep	xx-ph-00248311-12_12_03-base.sdk
3 deep	xx-cola117_34_3_13_9_243K_BBr12c7_r4c8_r7c9_17_6_151K-base.sdk
3 deep	xx-coly002-base.sdk
3 deep	xx-ph-00009253-cy4-base.sdk
3 deep	xx-ph-02318925-2019_03_16-base.sdk
3 deep	xx-ph-02236463-2018_12_25-base.sdk
3 deep	xx-ph-00011523-kz0-base.sdk
3 deep	xx-ph-00000097-H9-base.sdk
3 deep	zz-www.sudokuwiki.org-0317-base.sdk
3 deep	xx-ph-02237047-2019_01_07-base.sdk
3 deep	xx-ph-00100053-12_11-base.sdk
3 deep	xx-ph-02210317-2018_12_06-base.sdk
3 deep	xx-ph-02236468-2018_12_25-base.sdk
3 deep	xx-ph-02487980-2019_08_05_a-base.sdk
3 deep	xx-ph-02236749-2019_01_07-base.sdk
3 deep	xx-ph-02346393-2019_05_01-base.sdk
3 deep	xx-ph-00033526-2012_04-base.sdk
3 deep	xx-ph-02237034-2019_01_07-base.sdk
3 deep	xx-ph-02237038-2019_01_07-base.sdk
3 deep	xx-ph-01091812-13_09-base.sdk
3 deep	zz-www.sudokuwiki.org-0318-base.sdk
3 deep	xx-ph-01115504-13_09-base.sdk
3 deep	xx-ph-02123943-2018_11_28-base.sdk
3 deep	xx-ph-00000105-H14-base.sdk
3 deep	xx-ph-00009473-cy4-base.sdk
3 deep	xx-ph-02345835-2019_05_01-base.sdk
3 deep	xx-ph-00033057-2012_04-base.sdk
3 deep	xx-ph-02716474-2019_08_1120_160-base.sdk
3 deep	xx-ph-00035033-12_05-base.sdk
3 deep	xx-ph-02236989-2019_01_07-base.sdk
3 deep	xx-ph-00000035-H4-base.sdk

HDP Level	Sudoku
3 deep	xx-ph-02123931-2018_11_26-base.sdk
3 deep	xx-ph-02488802-2019_08_05_a-base.sdk
3 deep	xx-ph-02123960-2018_11_28-base.sdk
3 deep	xx-ph-02123961-2018_11_28-base.sdk
3 deep	xx-ph-02123988-2018_12_01-base.sdk
3 deep	xx-ph-02123989-2018_12_01-base.sdk
3 deep	xx-ph-00000112-H15-base.sdk
3 deep	xx-ph-00000025-H2-base.sdk
3 deep	xx-ph-00000026-H3-base.sdk
3 deep	xx-ph-01116350-13_09-base.sdk
3 deep	xx-ph-00015765-Kz1_b-base.sdk
3 deep	xx-ph-02236460-2018_12_25-base.sdk
3 deep	xx-ph-00225580-2012_11_10-base.sdk
3 deep	xx-ph-02210355-2018_12_06-base.sdk
3 deep	xx-ph-02487226-2019_08_05_a-base.sdk
3 deep	xx-ph-00000104-H13-base.sdk
3 deep	xx-ph-00635331-12_12-base.sdk
3 deep	xx-tarx0006-base.sdk
3 deep	xx-ph-00033342-2012_04-base.sdk
3 deep	xx-ph-00000011-H1-base.sdk
3 deep	xx-ph-00545591-12_12-base.sdk
3 deep	xx-ph-00033343-2012_04-base.sdk
3 deep	xx-ph-02345862-2019_05_01-base.sdk
3 deep	xx-ph-00012120-kz0-base.sdk
3 deep	xx-ph-00014594-kz1a-base.sdk
3 deep	xx-ph-00000111-H12-base.sdk
3 deep	xx-tarek071223170000-013-base.sdk
3 deep	xx-tarek071-base.sdk
3 deep	xx-ph-00034162-2012_04-base.sdk
3 deep	xx-ph-00034177-2012_04-base.sdk
3 deep	xx-ph-00000153-H21-base.sdk
4 very deep	zz-www.sudokuwiki.org-0203-base.sdk
4 very deep	xx-Red_Dwarf-base.sdk
4 very deep	zz-www.sudokuwiki.org-0238-base.sdk
4 very deep	zz-www.sudokuwiki.org-0171-base.sdk
4 very deep	zz-www.sudokuwiki.org-0265-base.sdk
4 very deep	zz-www.sudokuwiki.org-0256-base.sdk
4 very deep	zz-www.sudokuwiki.org-0255-base.sdk
4 very deep	xx-tarx0136-base.sdk
4 very deep	zz-www.sudokuwiki.org-0227-base.sdk
4 very deep	zz-www.sudokuwiki.org-0239-base.sdk
4 very deep	zz-www.sudokuwiki.org-0236-base.sdk
4 very deep	xx-HardestSudokusThread-00226-base.sdk
4 very deep	xx-ph-00000079-59-base.sdk
4 very deep	xx-ph-00000138-119-base.sdk
4 very deep	zz-www.sudokuwiki.org-0156-base.sdk
4 very deep	zz-www.sudokuwiki.org-0164-base.sdk
4 very deep	xx-HardestSudokusThread-00224-base.sdk
4 very deep	xx-HardestSudokusThread-00216-base.sdk
4 very deep	xx-ph-00000139-120-base.sdk
4 very deep	zz-www.sudokuwiki.org-0225-base.sdk
4 very deep	xx-ph-00000053-H2-base.sdk
4 very deep	xx-ph-00000131-115-base.sdk

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4 very deep	xx-ph-00000128-111-base.sdk
4 very deep	xx-ph-00000116-56-base.sdk
4 very deep	xx-ph-00000124-40-base.sdk
4 very deep	xx-ph-00000136-117-base.sdk
4 very deep	xx-ph-00000120-39-base.sdk
4 very deep	xx-ph-00000146-122-base.sdk
4 very deep	xx-ph-00000130-112-base.sdk
4 very deep	xx-ph-00000145-118-base.sdk
4 very deep	zz-www.sudokuwiki.org-0183-base.sdk
4 very deep	xx-HardestSudokusThread-00219-base.sdk
4 very deep	xx-ph-00000062-21-base.sdk
4 very deep	xx-ph-00000098-L8-base.sdk
4 very deep	xx-First_Peak-base.sdk
4 very deep	zz-www.sudokuwiki.org-0250-base.sdk
4 very deep	zz-www.sudokuwiki.org-0261-base.sdk
4 very deep	zz-www.sudokuwiki.org-0163-base.sdk
4 very deep	zz-www.sudokuwiki.org-0303-base.sdk
4 very deep	xx-CloudyBay-base.sdk
4 very deep	xx-pearly6000-3091-base.sdk
4 very deep	xx-tarx0075-base.sdk
4 very deep	zz-www.sudokuwiki.org-0218-base.sdk
4 very deep	zz-www.sudokuwiki.org-0168-base.sdk
4 very deep	zz-www.sudokuwiki.org-0166-base.sdk
4 very deep	xx-ph-00000010-tarek-ultra-0203-base.sdk
4 very deep	xx-ultra0203-base.sdk
4 very deep	zz-www.sudokuwiki.org-0167-base.sdk
4 very deep	xx-ph-00247981-12_12_03-base.sdk
4 very deep	xx-ph-00248073-12_12_03-base.sdk
4 very deep	zz-www.sudokuwiki.org-0212-base.sdk
4 very deep	zz-www.sudokuwiki.org-0180-base.sdk
4 very deep	xx-pearly6000-3455-base.sdk
4 very deep	xx-tarx0103-base.sdk
4 very deep	xx-ph-00247971-12_12_03-base.sdk
4 very deep	xx-cola076_26_6_13_4_180K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_15_1_113K-base.sdk
4 very deep	zz-www.sudokuwiki.org-0196-base.sdk
4 very deep	xx-tarx0018-base.sdk
4 very deep	zz-www.sudokuwiki.org-0254-base.sdk
4 very deep	xx-tarx0064-base.sdk
4 very deep	zz-www.sudokuwiki.org-0181-base.sdk
4 very deep	xx-ph-00812514-13_01-base.sdk
4 very deep	xx-cola091_50_2_54_1_496K_1BB_r4c3_r5c4_r6c8_6_6_105K-base.sdk
4 very deep	xx-ph-00247940-12_12_03-base.sdk
4 very deep	zz-www.sudokuwiki.org-0174-base.sdk
4 very deep	xx-ph-00247956-12_12_03-base.sdk
4 very deep	zz-www.sudokuwiki.org-0191-base.sdk
4 very deep	zz-www.sudokuwiki.org-0197-base.sdk
4 very deep	zz-www.sudokuwiki.org-0176-base.sdk
4 very deep	xx-tarx0145-base.sdk
4 very deep	zz-www.sudokuwiki.org-0234-base.sdk
4 very deep	zz-www.sudokuwiki.org-0178-base.sdk
4 very deep	zz-www.sudokuwiki.org-0175-base.sdk
4 very deep	zz-www.sudokuwiki.org-0199-base.sdk
4 very deep	zz-www.sudokuwiki.org-0310-base.sdk

HDP Level	Sudoku
4 very deep	zz-www.sudokuwiki.org-0184-base.sdk
4 very deep	zz-www.sudokuwiki.org-0190-base.sdk
4 very deep	xx-cola239_43_9_46_9_315K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_8_7_33K-base.sdk
4 very deep	xx-ph-00248081-12_12_03-base.sdk
4 very deep	zz-www.sudokuwiki.org-0187-base.sdk
4 very deep	zz-www.sudokuwiki.org-0249-base.sdk
4 very deep	zz-www.sudokuwiki.org-0145-base.sdk
4 very deep	zz-www.sudokuwiki.org-0216-base.sdk
4 very deep	xx-ph-00247955-12_12_03-base.sdk
4 very deep	xx-ph-00248082-12_12_03-base.sdk
4 very deep	xx-coly008-base.sdk
4 very deep	zz-www.sudokuwiki.org-0200-base.sdk
4 very deep	xx-coly885_85_0_325K_BBr12c_r4c8_r7c9_BB56c9_r3c8_r7c7_10_1_print_34K-base.sdk
4 very deep	zz-www.sudokuwiki.org-0300-base.sdk
4 very deep	xx-ph-00248026-12_12_03-base.sdk
4 very deep	xx-ph-00247945-12_12_03-base.sdk
4 very deep	xx-ph-00248025-12_12_03-base.sdk
4 very deep	zz-www.sudokuwiki.org-0262-base.sdk
4 very deep	xx-pearly6000-3136-base.sdk
4 very deep	xx-tarx0079-base.sdk
4 very deep	xx-ph-00247944-12_12_03-base.sdk
4 very deep	zz-www.sudokuwiki.org-0188-base.sdk
4 very deep	zz-www.sudokuwiki.org-0228-base.sdk
4 very deep	xx-ph-00248061-12_12_03-base.sdk
4 very deep	xx-ph-00248035-12_12_03-base.sdk
4 very deep	xx-tarx0130-base.sdk
4 very deep	xx-ph-00248001-12_12_03-base.sdk
4 very deep	xx-coly013-base.sdk
4 very deep	zz-www.sudokuwiki.org-0144-base.sdk
4 very deep	zz-www.sudokuwiki.org-0066-base.sdk
4 very deep	zz-www.sudokuwiki.org-0195-base.sdk
4 very deep	zz-www.sudokuwiki.org-0201-base.sdk
4 very deep	zz-www.sudokuwiki.org-0143-base.sdk
4 very deep	zz-www.sudokuwiki.org-0258-base.sdk
4 very deep	zz-www.sudokuwiki.org-0186-base.sdk
4 very deep	xx-cola646_68_7_65_5_668K_1BB_r6c9_r3c8_r7c7_4_4_96K-base.sdk
4 very deep	zz-www.sudokuwiki.org-0208-base.sdk
4 very deep	zz-www.sudokuwiki.org-0222-base.sdk
4 very deep	xx-ph-00248002-12_12_03-base.sdk
4 very deep	zz-www.sudokuwiki.org-0177-base.sdk
4 very deep	zz-www.sudokuwiki.org-0235-base.sdk
4 very deep	zz-www.sudokuwiki.org-0217-base.sdk
4 very deep	zz-www.sudokuwiki.org-0162-base.sdk
4 very deep	zz-www.sudokuwiki.org-0155-base.sdk
4 very deep	xx-tarx0114-base.sdk
4 very deep	xx-ph-00768268-13_01-base.sdk
4 very deep	xx-cola548_11_2_13_0_144K_BBr4c13_r5c4_r6c8_BBr6c56_r4c8_r5c2_14_8_138K-base.sdk
4 very deep	xx-ph-00032976-2012_04-base.sdk
4 very deep	xx-coly707_63_1_217K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_12_7_print_51K-base.sdk
4 very deep	xx-cola268_56_9_46_1_320K_BBr12c7_r4c8_r7c9_BBr56c9_r3c8_r7c7_8_7_33K-base.sdk
4 very deep	zz-www.sudokuwiki.org-0253-base.sdk
4 very deep	zz-www.sudokuwiki.org-0246-base.sdk
4 very deep	zz-www.sudokuwiki.org-0193-base.sdk



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4 very deep	xx-tarx0009-base.sdk
4 very deep	xx-tarx0146-base.sdk
4 very deep	xx-coly007-base.sdk
4 very deep	zz-www.sudokuwiki.org-0219-base.sdk
4 very deep	zz-www.sudokuwiki.org-0204-base.sdk
4 very deep	zz-www.sudokuwiki.org-0169-base.sdk
4 very deep	zz-www.sudokuwiki.org-0211-base.sdk
4 very deep	xx-ph-02236556-2018_12_25-base.sdk
4 very deep	xx-ph-02236560-2018_12_25-base.sdk
4 very deep	xx-ph-02210332-2018_12_06-base.sdk
4 very deep	xx-ph-02236548-2018_12_25-base.sdk
4 very deep	xx-ph-00011886-kz0-base.sdk
4 very deep	xx-ph-00014515-kz1a-base.sdk
4 very deep	xx-ph-00025403-KC40b-base.sdk
4 very deep	xx-ph-00013796-kz0-base.sdk
4 very deep	xx-ph-00545579-12_12-base.sdk
4 very deep	xx-ph-00545578-12_12-base.sdk
4 very deep	xx-ph-00015029-kz1a-base.sdk
4 very deep	xx-ph-01417259-14_06-base.sdk
4 very deep	xx-ph-00011494-kz0-base.sdk
4 very deep	xx-ph-02236509-2018_12_25-base.sdk
4 very deep	xx-ph-02321192-2019_03_16-base.sdk
4 very deep	xx-ph-02716727-2019_08_1120_160-base.sdk
4 very deep	xx-ph-01417181-14_06-base.sdk
4 very deep	xx-ph-02320681-2019_03_16-base.sdk
4 very deep	xx-ph-02345784-2019_05_01-base.sdk
4 very deep	xx-ph-00039917-12_07-base.sdk
4 very deep	xx-ph-00029591-2011_12-base.sdk
4 very deep	xx-ph-02236687-2018_12_25-base.sdk
4 very deep	xx-ph-02236688-2018_12_25-base.sdk
4 very deep	xx-ph-01256070-13_12-base.sdk
4 very deep	xx-ph-01835324-2016_04_23-base.sdk
4 very deep	xx-ph-02346281-2019_05_01-base.sdk
4 very deep	xx-ph-00033529-2012_04-base.sdk
4 very deep	xx-ph-02320762-2019_03_16-base.sdk
4 very deep	xx-ph-02488491-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488492-2019_08_05_a-base.sdk
4 very deep	xx-ph-02316271-2019_01_13-base.sdk
4 very deep	xx-ph-00041789-12_07-base.sdk
4 very deep	xx-ph-00034761-12_05-base.sdk
4 very deep	xx-ph-00014430-kz1a-base.sdk
4 very deep	xx-ph-01116210-13_09-base.sdk
4 very deep	xx-ph-02236606-2018_12_25-base.sdk
4 very deep	xx-ph-02487668-2019_08_05_a-base.sdk
4 very deep	xx-ph-02317040-2019_03_16-base.sdk
4 very deep	xx-ph-00014490-kz1a-base.sdk
4 very deep	xx-ph-02210346-2018_12_06-base.sdk
4 very deep	xx-ph-01747674-2015_12-base.sdk
4 very deep	xx-ph-02236970-2019_01_07-base.sdk
4 very deep	xx-ph-02316348-2019_01_13-base.sdk
4 very deep	xx-ph-02316371-2019_01_13-base.sdk
4 very deep	xx-ph-02316372-2019_01_13-base.sdk
4 very deep	xx-ph-02316373-2019_01_13-base.sdk

HDP Level	Sudoku
4 very deep	xx-ph-02123952-2018_11_28-base.sdk
4 very deep	xx-ph-01834721-2016_04_23-base.sdk
4 very deep	xx-ph-01627773-14_09-base.sdk
4 very deep	xx-ph-00015497-kz1a-base.sdk
4 very deep	xx-ph-01417550-14_06-base.sdk
4 very deep	xx-ph-01549795-14_09-base.sdk
4 very deep	xx-ph-02489220-2019_08_05_a-base.sdk
4 very deep	xx-ph-00038403-12_07-base.sdk
4 very deep	xx-ph-00018012-Kz1_b-base.sdk
4 very deep	xx-ph-01269948-13_12-base.sdk
4 very deep	xx-ph-00019088-KZ1C-base.sdk
4 very deep	xx-ph-02236956-2019_01_07-base.sdk
4 very deep	zz-www.sudokuwiki.org-0290-base.sdk
4 very deep	xx-ph-00028103-2011_12-base.sdk
4 very deep	xx-ph-02320585-2019_03_16-base.sdk
4 very deep	xx-ph-02488712-2019_08_05_a-base.sdk
4 very deep	xx-ph-02123957-2018_11_28-base.sdk
4 very deep	xx-ph-02236948-2019_01_07-base.sdk
4 very deep	zz-www.sudokuwiki.org-0297-base.sdk
4 very deep	xx-ph-01549900-14_09-base.sdk
4 very deep	xx-ph-01682994-2015_08-base.sdk
4 very deep	xx-ph-02488918-2019_08_05_a-base.sdk
4 very deep	xx-ph-02237022-2019_01_07-base.sdk
4 very deep	zz-www.sudokuwiki.org-0304-base.sdk
4 very deep	xx-ph-02489137-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489141-2019_08_05_a-base.sdk
4 very deep	xx-ph-02123947-2018_11_28-base.sdk
4 very deep	xx-ph-00012575-kz0-base.sdk
4 very deep	xx-ph-02123927-2018_11_26-base.sdk
4 very deep	xx-ph-02123926-2018_11_26-base.sdk
4 very deep	xx-ph-00018695-KZ1C-base.sdk
4 very deep	xx-ph-00014431-kz1a-base.sdk
4 very deep	xx-ph-00052234-12_10-base.sdk
4 very deep	xx-ph-02316353-2019_01_13-base.sdk
4 very deep	xx-ph-02488658-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488659-2019_08_05_a-base.sdk
4 very deep	xx-ph-02236978-2019_01_07-base.sdk
4 very deep	xx-ph-02236977-2019_01_07-base.sdk
4 very deep	xx-ph-02236958-2019_01_07-base.sdk
4 very deep	xx-ph-02318223-2019_03_16-base.sdk
4 very deep	xx-ph-02489003-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489048-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489341-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489535-2019_08_05_a-base.sdk
4 very deep	xx-ph-02346208-2019_05_01-base.sdk
4 very deep	xx-ph-02489049-2019_08_05_a-base.sdk
4 very deep	xx-ph-02345625-2019_04_28-base.sdk
4 very deep	xx-ph-02489342-2019_08_05_a-base.sdk
4 very deep	xx-ph-02345626-2019_04_28-base.sdk
4 very deep	xx-ph-02318848-2019_03_16-base.sdk
4 very deep	zz-www.sudokuwiki.org-0293-base.sdk
4 very deep	xx-ph-02123956-2018_11_28-base.sdk
4 very deep	xx-ph-01054841-13_07-base.sdk

HDP Level	Sudoku
4 very deep	xx-ph-01054842-13_07-base.sdk
4 very deep	xx-ph-01054674-13_07-base.sdk
4 very deep	xx-ph-00024245-KC40b-base.sdk
4 very deep	xx-ph-00014423-kz1a-base.sdk
4 very deep	xx-ph-02488760-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488759-2019_08_05_a-base.sdk
4 very deep	xx-ph-01683861-2015_08-base.sdk
4 very deep	xx-ph-02346197-2019_05_01-base.sdk
4 very deep	xx-ph-02488952-2019_08_05_a-base.sdk
4 very deep	xx-ph-00012132-kz0-base.sdk
4 very deep	xx-ph-01055645-13_07-base.sdk
4 very deep	xx-ph-02210366-2018_12_06-base.sdk
4 very deep	xx-ph-02126993-2018_12_01-base.sdk
4 very deep	xx-ph-02236731-2018_12_25-base.sdk
4 very deep	xx-HardestSudokusThread-00212-base.sdk
4 very deep	xx-ph-00000007-15-base.sdk
4 very deep	xx-ph-00000091-44-base.sdk
4 very deep	xx-ph-00000092-41-base.sdk
4 very deep	xx-col0701-13-base.sdk
4 very deep	xx-col-201107-M3-3-base.sdk
4 very deep	xx-ph-00000075-pearly6000-4143-base.sdk
4 very deep	xx-ph-00000148-tarek-4_08-base.sdk
4 very deep	xx-ph-00000045-pearly6000-3112-base.sdk
4 very deep	xx-ph-00000086-pearly6000-3238-base.sdk
4 very deep	xx-ph-00000050-L4-base.sdk
4 very deep	xx-ph-00000041-pearly6000-4268-base.sdk
4 very deep	xx-ph-00000042-pearly6000-3802-base.sdk
4 very deep	xx-ph-00000020-10-base.sdk
4 very deep	xx-HardestSudokusThread-00218-base.sdk
4 very deep	xx-ph-00000015-17-base.sdk
4 very deep	xx-HardestSudokusThread-00213-base.sdk
4 very deep	xx-ph-00000019-9-base.sdk
4 very deep	xx-ph-00000087-L7-base.sdk
4 very deep	xx-ph-00000047-H1-base.sdk
4 very deep	xx-ph-00000055-30-base.sdk
4 very deep	xx-ph-00000135-H3-base.sdk
4 very deep	xx-ph-00000009-tarx0075-base.sdk
4 very deep	xx-ph-00000073-58-base.sdk
4 very deep	xx-ph-00000125-38-base.sdk
4 very deep	xx-ph-00000080-pearly6000-3978-base.sdk
4 very deep	xx-ph-00000071-26-base.sdk
4 very deep	xx-ph-00000058-L5-base.sdk
4 very deep	xx-ph-00000137-116-base.sdk
4 very deep	xx-HardestSudokusThread-00073-base.sdk
4 very deep	xx-ph-00000021-11-base.sdk
4 very deep	xx-ph-00000150-125-base.sdk
4 very deep	xx-ph-00000032-L1-base.sdk
4 very deep	xx-HardestSudokusThread-00217-base.sdk
4 very deep	xx-HardestSudokusThread-00215-base.sdk
4 very deep	xx-ph-00000028-14-base.sdk
4 very deep	xx-ph-00000031-4-base.sdk
4 very deep	xx-ph-00000132-114-base.sdk
4 very deep	xx-ph-00000088-43-base.sdk

HDP Level	Sudoku
4 very deep	zz-www.sudokuwiki.org-0275-base.sdk
4 very deep	xx-ph-00000005-1-base.sdk
4 very deep	xx-ph-00000023-tarek071223170000-base.sdk
4 very deep	xx-h54autres_1-base.sdk
4 very deep	xx-ph-00000018-1-base.sdk
4 very deep	xx-ph-00033398-81006-base.sdk
4 very deep	xx-ph-00000024-H1-base.sdk
4 very deep	xx-ph-00000144-jpf-04_05-base.sdk
4 very deep	xx-gsf-2007-05-24-0032-base.sdk
4 very deep	xx-ph-00000012-gsf-2007-05-24-003_64879-base.sdk
4 very deep	xx-dukdiamond1-base.sdk
4 very deep	xx-jpf-04_14-base.sdk
4 very deep	xx-jpf-04_14_B4-base.sdk
4 very deep	xx-jpf-04-10-base.sdk
4 very deep	xx-ph-00000133-H6-base.sdk
4 very deep	xx-SilverPlate-base.sdk
4 very deep	xx-pearly6000-2803-base.sdk
4 very deep	xx-Easter_Monster-base.sdk
4 very deep	xx-Easter_Monster-work.sdk
4 very deep	xx-jpf-04_14_01-base.sdk
4 very deep	xx-ph-00000014-coloin-04-10-base.sdk
4 very deep	xx-ph-00000039-coloin-04-10-base.sdk
4 very deep	xx-colx134-base.sdk
4 very deep	xx-jpf-04_08-base.sdk
4 very deep	xx-jpf-04_14_02-base.sdk
4 very deep	xx-h54autres_4-base.sdk
4 very deep	xx-ph-00000017-4-base.sdk
4 very deep	xx-pearly6000-3978-base.sdk
4 very deep	xx-BronzeMedalian-base.sdk
4 very deep	xx-pearly6000-3802-base.sdk
4 very deep	zz-www.sudokuwiki.org-0240-base.sdk
4 very deep	xx-tarx0068-base.sdk
4 very deep	xx-pearly6000-4268-base.sdk
4 very deep	xx-ultra0313-base.sdk
4 very deep	xx-ph-00262544-12_12_03-base.sdk
4 very deep	xx-tarek071223170000-181-base.sdk
4 very deep	xx-pearly6000-1847-base.sdk
4 very deep	xx-pearly6000-1803-base.sdk
4 very deep	zz-www.sudokuwiki.org-0243-base.sdk
4 very deep	xx-ph-01209207-13_11_gexo-base.sdk
4 very deep	xx-pearly6000-3238-base.sdk
4 very deep	xx-ph-00247967-12_12_03-base.sdk
4 very deep	xx-ph-00248083-12_12_03-base.sdk
4 very deep	xx-tarx0121-base.sdk
4 very deep	zz-www.sudokuwiki.org-0220-base.sdk
4 very deep	zz-www.sudokuwiki.org-0271-base.sdk
4 very deep	xx-ph-00000140-tarek-2228-base.sdk
4 very deep	xx-ph-00247916-12_12_03-base.sdk
4 very deep	xx-pearly6000-1802-base.sdk
4 very deep	zz-www.sudokuwiki.org-0241-base.sdk
4 very deep	zz-www.sudokuwiki.org-0270-base.sdk
4 very deep	xx-tarx0001-base.sdk
4 very deep	xx-colx180-base.sdk

HDP Level	Sudoku
4 very deep	xx-ph-00225604-12_12_03-base.sdk
4 very deep	xx-ph-00225605-12_12_03-base.sdk
4 very deep	xx-tarx0105-base.sdk
4 very deep	xx-ph-01744614-2015_08-base.sdk
4 very deep	xx-ph-01682984-2015_08-base.sdk
4 very deep	xx-ph-00762567-12_12_17s-base.sdk
4 very deep	zz-www.sudokuwiki.org-0028-base.sdk
4 very deep	zz-www.sudokuwiki.org-0215-base.sdk
4 very deep	xx-coloin-04-10-base.sdk
4 very deep	xx-ph-00000013-coloin-04-10-base.sdk
4 very deep	xx-ph-00225578-2012_11_10-base.sdk
4 very deep	xx-ph-00000141-coloin-04-10-base.sdk
4 very deep	xx-ph-00225579-2012_11_10-base.sdk
4 very deep	xx-ph-00225581-2012_11_10-base.sdk
4 very deep	zz-www.sudokuwiki.org-0049-base.sdk
4 very deep	xx-Golden_Nugget-base.sdk
4 very deep	xx-ph-00000003-Golden-Nugget-base.sdk
4 very deep	xx-ph-00247938-12_12_03-base.sdk
4 very deep	xx-ph-00247975-12_12_03-base.sdk
4 very deep	xx-ph-00247964-12_12_03-base.sdk
4 very deep	xx-ph-00247963-12_12_03-base.sdk
4 very deep	xx-tarx0104-base.sdk
4 very deep	xx-Platinum_Blonde-base.sdk
4 very deep	xx-ph-00248027-12_12_03-base.sdk
4 very deep	xx-tarx0119-base.sdk
4 very deep	xx-tarx0119-work.sdk
4 very deep	zz-www.sudokuwiki.org-0244-base.sdk
4 very deep	xx-pearly6000-4143-base.sdk
4 very deep	zz-www.sudokuwiki.org-0245-base.sdk
4 very deep	xx-ph-00394123-12_12_03-base.sdk
4 very deep	xx-pearly6000-3112-base.sdk
4 very deep	zz-www.sudokuwiki.org-0159-base.sdk
4 very deep	zz-www.sudokuwiki.org-0247-base.sdk
4 very deep	xx-ultra0300-base.sdk
4 very deep	xx-ph-02487227-2019_08_05_a-base.sdk
4 very deep	xx-ph-01383016-14_04-base.sdk
4 very deep	xx-ph-02316230-2019_01_13-base.sdk
4 very deep	xx-ph-02316232-2019_01_13-base.sdk
4 very deep	xx-ph-02316231-2019_01_13-base.sdk
4 very deep	xx-ph-00974041-13_03-base.sdk
4 very deep	xx-ph-02236641-2018_12_25-base.sdk
4 very deep	xx-ph-01365690-14_01-base.sdk
4 very deep	zz-www.sudokuwiki.org-0306-base.sdk
4 very deep	zz-www.sudokuwiki.org-0305-base.sdk
4 very deep	xx-ph-02123934-2018_11_26-base.sdk
4 very deep	xx-ph-00000001-champagne_dry-base.sdk
4 very deep	xx-ph-02317338-2019_03_16-base.sdk
4 very deep	xx-ph-02123959-2018_11_28-base.sdk
4 very deep	xx-ph-01115380-13_09-base.sdk
4 very deep	xx-ph-02317741-2019_03_16-base.sdk
4 very deep	xx-ph-02317742-2019_03_16-base.sdk
4 very deep	xx-ph-02488643-2019_08_05_a-base.sdk
4 very deep	xx-ph-01001489-13_07-base.sdk

HDP Level	Sudoku
4 very deep	xx-ph-01001491-13_07-base.sdk
4 very deep	xx-ph-01683932-2015_08-base.sdk
4 very deep	xx-ph-00931090-13_05-base.sdk
4 very deep	xx-ph-01001494-13_07-base.sdk
4 very deep	xx-ph-02316349-2019_01_13-base.sdk
4 very deep	xx-ph-02239572-2019_01_07-base.sdk
4 very deep	xx-ph-01092053-13_09-base.sdk
4 very deep	xx-ph-00000134-H18-base.sdk
4 very deep	xx-ph-02716914-2019_08_1120_160-base.sdk
4 very deep	xx-ph-02716915-2019_08_1120_160-base.sdk
4 very deep	xx-ph-02318268-2019_03_16-base.sdk
4 very deep	xx-ph-02123942-2018_11_28-base.sdk
4 very deep	xx-ph-02123944-2018_11_28-base.sdk
4 very deep	xx-ph-02123940-2018_11_28-base.sdk
4 very deep	xx-ph-00545594-12_12-base.sdk
4 very deep	xx-ph-02236634-2018_12_25-base.sdk
4 very deep	xx-ph-02236968-2019_01_07-base.sdk
4 very deep	xx-ph-01388577-14_04-base.sdk
4 very deep	xx-ph-02316378-2019_01_13-base.sdk
4 very deep	xx-ph-02489235-2019_08_05_a-base.sdk
4 very deep	xx-ph-00545623-12_12-base.sdk
4 very deep	xx-ph-00846196-13_02-base.sdk
4 very deep	xx-ph-02318300-2019_03_16-base.sdk
4 very deep	xx-ph-00000142-tarek-2164-base.sdk
4 very deep	xx-ph-01549372-14_09-base.sdk
4 very deep	xx-ph-00016215-Kz1_b-base.sdk
4 very deep	xx-ph-02123933-2018_11_26-base.sdk
4 very deep	xx-ph-02236577-2018_12_25-base.sdk
4 very deep	xx-ph-00000057-H8-base.sdk
4 very deep	xx-ph-01123016-13_09-base.sdk
4 very deep	xx-ph-02210331-2018_12_06-base.sdk
4 very deep	xx-ph-00012412-kz0-base.sdk
4 very deep	xx-ph-00100058-12_11-base.sdk
4 very deep	xx-ph-01091392-13_09-base.sdk
4 very deep	xx-ph-02123955-2018_11_28-base.sdk
4 very deep	xx-ph-01834371-2016_04_23-base.sdk
4 very deep	xx-ph-00035732-12_05-base.sdk
4 very deep	xx-ph-01055198-13_07-base.sdk
4 very deep	xx-ph-00033418-2012_04-base.sdk
4 very deep	xx-ph-01549850-14_09-base.sdk
4 very deep	xx-ph-01682995-2015_08-base.sdk
4 very deep	xx-ph-02488874-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488875-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488876-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488877-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489238-2019_08_05_a-base.sdk
4 very deep	xx-ph-02489239-2019_08_05_a-base.sdk
4 very deep	xx-ph-01270042-13_12-base.sdk
4 very deep	xx-ph-02488871-2019_08_05_a-base.sdk
4 very deep	xx-ph-02717234-2019_08_1120_160-base.sdk
4 very deep	xx-ph-02488754-2019_08_05_a-base.sdk
4 very deep	xx-ph-00973799-13_03-base.sdk
4 very deep	xx-ph-02487335-2019_08_05_a-base.sdk



HDP Level	Sudoku
4 very deep	xx-ph-00035497-12_05-base.sdk
4 very deep	xx-ph-02487338-2019_08_05_a-base.sdk
4 very deep	xx-ph-02123941-2018_11_28-base.sdk
4 very deep	xx-ph-02317748-2019_03_16-base.sdk
4 very deep	xx-ph-02123932-2018_11_26-base.sdk
4 very deep	xx-ph-02317127-2019_03_16-base.sdk
4 very deep	xx-ph-01549342-14_09-base.sdk
4 very deep	xx-ph-02236633-2018_12_25-base.sdk
4 very deep	xx-ph-02236967-2019_01_07-base.sdk
4 very deep	xx-ph-01091647-13_09-base.sdk
4 very deep	xx-ph-02488661-2019_08_05_a-base.sdk
4 very deep	xx-ph-02488982-2019_08_05_a-base.sdk
4 very deep	xx-ph-00974751-13_03-base.sdk
4 very deep	xx-ph-01054773-13_07-base.sdk
4 very deep	xx-ph-00975343-13_03-base.sdk
4 very deep	xx-ph-00038140-12_07-base.sdk
4 very deep	xx-ph-00033892-2012_04-base.sdk
4 very deep	xx-ph-01054165-13_07-base.sdk
4 very deep	xx-ph-00000102-H10-base.sdk
4 very deep	xx-ph-00034163-2012_04-base.sdk
5 extreme	xx-ph-02320822-2019_03_16-base.sdk

all	0 consolidation	1 reduction	2 minor CFR check
2147	1270	472	405



## POTENTIAL HARDEST SUDOKUS

The list of potential hardest sudokus is maintained by user *champagne* on [forum.enjoysudoku.com](http://forum.enjoysudoku.com) who announces new version in the thread [The hardest sudokus \(new thread\)](#) The last archive (as of 2020-09-21) is `ph_1910.zip` in Google Drive: [downloads sudoku](#).

Archive history:

- `ph_1910.zip` (see [readme1910.txt](#))
- `ph_1901.zip` (see [readme 1901 post.txt](#))
- `ph1611_vloop_and_JE.txt`
- `ph_1512.zip` (see [readme 1512.txt](#))
- `ph_1409.zip` (see [readme 1409.txt](#))

### 10.1 `readme1910.txt`

Verbatim copy:

```
I prepared a new update of the data base
as for all new files , that update is in my "google drive space" with the name ph_1910.zip
the link to that storage place is [url=https://drive.google.com/folderview?
↪id=0B51H6mGXxWzXTDFRMnVTbGN1ZU0&usp=sharing]here[/url]

The file contains now 3 049 068 puzzles (2 135 371 in the former release dated May 2019)
This huge increas reflects mainly the contribution of Paquita a silent member of the forum.
Other puzzles are coming directly or indirectly ("robbie") from the pattern games
With 944 585 puzzles supplied, Paquita is the second contributor to the data base, but, as_
↪she only sumitted puzzles rating 11.x, she can be seen as the main supplier of high ratings.

the count per clue in the data base is now the following

clues Count
20          79
21         11091
22         89568
23        366334
24        758922
25        593558
26        853490
27         302100
28         69787

I added the count for 27-28 clues having now a significant number of such puzzles

The count per er is the following
er  count
11.9  9
11.8  59
```

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(continued from previous page)

11.7	124								
11.6	373								
11.5	996								
11.4	2342								
11.3	13670								
11.2	26023								
11.1	178539								
11	927353								

The changes in the highest entries are mainly dues to paquita additions  
and the combined table is the following

	20	21	22	23	24	25	26	27	28
11.9		1	5	3					
11.8	1	16	30	11	1				
11.7		31	53	12	18	9	1		
11.6	1	39	62	69	123	69	10		
11.5		48	115	199	324	258	52		
11.4		133	336	543	659	491	177	3	
11.3	1	641	1255	2680	3709	3182	2117	85	
11.2	6	997	2769	5791	7635	4386	4336	78	24
11.1	12	1314	5746	19834	35447	36227	43739	26182	9202
11	3	859	5727	26027	59613	131207	364448	275622	60559
	24	4079	16098	55169	107529	175829	414880	301970	69785

to compare to the previous one

	20	21	22	23	24	25	26		
11.9		1	5	3					
11.8	1	16	30	10	1				
11.7		31	52	12	17	8	1		
11.6	1	39	60	60	102	58	9		
11.5		48	110	192	292	211	48		
11.4		132	329	485	570	407	154		
11.3	1	634	1213	2500	3311	2564	1853		
11.2	6	996	2748	5707	7404	3913	4119		
11.1	12	1292	5470	19048	30750	23049	14278		
	21	3189	10017	28017	42447	30210	20462		

Some evidence here that paquita explored heavily the >24 clues area

## 10.2 readme 1901 post.txt

Verbatim copy:

I prepared a new update of the data base  
as for all new files , that update is in my "google drive space" with the name ph\_1901.zip  
the link to that storage place is [url=https://drive.google.com/folderview?<br>↳id=0B51H6mGXxWzXTDFRMnVTbGNlZU0&usp=sharing]here[/url]  
The file contains now 2 105 149 puzzles (2 048 264 in the former release done one month ago)  
The main reasons for this new release after one month are the following:  
a) By chance, doing a test on the brute force, I discovered that an old lot was processed\_<br>↳with a text delimiter causing a wrong canonical form.  
I discarded the corresponding records and added the proper records. Meantime, some morphs\_<br>↳of the old puzzles had been added, so the redundant puzzles disappeared.  
b) paquita, the new supplier came with puzzles rating on the high side, it was interesting to\_<br>↳publish them before my 3 months interruption of this task.

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And I added some puzzles with 26 clues, the artea where I searched recently.

Due to the redundant discarded puzzles, the tables below can show surprising values.

the count per clue in the data base is now the following

```
clues Count
20      79
21  10961 +1
22   87995 -281
23  390377 -3274
24  699589 -5135
25  435017 -10702
26  480919 +76306
```

here it is clear that the redundant puzzles were mainly in the 24/25 clues area

The count per er is the following

```
er count
11.9    9
11.8   54
11.7  119 +3
11.6  286 +34
11.5  703 +89
11.4 1630 +125
11.3 9353 +446
```

The changes in the highest entries are mainly dues to paquita additions and partly offset by ↪the redundancy cleaning

and the combined table is the following

clues	20	21	22	23	24	25	26
11.9		1	5	3			
11.8	1	15	29	9			
11.7		31	51	11	17	8	1
11.6	1	38	53	55	95	36	8
11.5		46	104	171	209	127	46
11.4		130	308	404	406	234	148
11.3	1	630	1128	2222	2512	1245	1615
11.2	6	991	2706	5497	6682	2908	3987
11.1	12	1267	5100	16413	23095	11606	12123
	21	3149	9484	24785	33016	16164	17928

## 10.3 readme 1512.txt

Verbatim copy:

```
This is the update of the file of potential hardest as of December 24 2015
additions are coming partly from the games (including dobrichev's extra lists" ,
and from the generation done on myside, into the 22-25 clues areas
Nothing was done on my side in the 26 clues area
```

The file contains now 1 637 062 puzzles (1 583 095 **in** august)

the count per clue **in** the data base **is** the following

```
20  77
21 10794
22  87082
23 341310
24 541278
25 376668
26 225713
```

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The count per er is the following

```

10.7      54535
10.6      253111
10.5      544977
10.4      110878
10.3      104157

11.9      9      9
11.8      53     53
11.7      113    113
11.6      187    186
11.5      549    545
11.4      1359   1353
11.3      7986   7910
11.2      19950  19754
11.1      60361  59951
11 79312  78461
10.9      193236  190523
10.8      159825  156589
10.7      55537   54535
10.6      261251  253111
10.5      572593  544977
10.4      116829  110878
10.3      107912  104157
    
```

the cutoff gives

```

10.7-10.5  pearl
10.4      mini 10.4/10.4/10.3
10.3      diamond
    
```

As we can see, the highest new entry is a 11.6

Interesting is the distribution of highest ratings per clue.

er	20	21	22	23	24	25	26
11.9			1	5	3		
11.8	1		15	29	8		
11.7			31	51	9	14	8
11.6	1		38	50	41	43	10
11.5			46	100	150	138	83
11.4			130	304	385	306	161
11.3	1		628	1123	2173	2162	1087
11.2	6		990	2708	5468	6066	2921
11.1	12		1263	5090	15977	20468	11613
11 3	802		5060	20686	28563	14436	9751
	24	3944	14520	44900	57760	30319	18346

to be compared to the previous one

	20	21	22	23	24	25	26
11.9			1	5	3		
11.8	1		15	29	8		
11.7			31	51	9	14	8
11.6	1		38	50	41	42	10
11.5			46	100	150	135	82
11.4			130	304	382	304	160
11.3	1		628	1122	2145	2131	1071
11.2	6		990	2708	5395	5995	2869
11.1	12		1263	5090	15817	20378	11453
11 3	802		5060	20306	28381	14147	9751
	24	3944	14522	44256	57380	29800	18346(no search)

the 25 clues column could be highly biased as most of existing puzzles are directly produced out of 24 clues seeds.

2 or 3 cycles using 25 clues as seed could change slightly the scope



## 10.4 readme 1409.txt

Verbatim copy:

```
This is the update of the file of potential hardest as of Septembet 5th 2014

The file contains now 1 529 600 puzzles (1 264 655 puzzles in april)
264 945 puzzles have been added since April,mainly in the 23-24-26 clues fields.

Nothing new has been done to produce new seeds out of the JExocet patterns.

the count per clue in the data base is the following

20 77
21 10791
22 86867
23 336675
24 508910
25 359513
26 226584
more 183

The count per er is the following
er CompteDeer
11.9 8
11.8 50
11.7 112 /110
11.6 184 /174
11.5 529 /472
11.4 1324
11.3 7737
11.2 19322
11.1 59157
11 77514
10.9 186252
10.8 150552
10.7 53651
10.6 246167
10.5 520375
10.4 105540
10.3 101126

the cutoff gives
10.7-10.5 pearl
10.4 mini 10.4/10.4/10.3
10.3 diamond

As we can see, the highest new entry is a 11.7.

Interesting is the distribution of highest ratings per clue.
```

er	20	21	22	23	24	25	26
11.9			1	4	3		
11.8		1	15	26	8		
11.7			31	50	9	14	8
11.6		1	38	50	41	41	10
11.5			46	99	149	128	82
11.4			130	301	376	288	160
11.3		1	627	1108	2112	2039	1069
11.2		6	989	2673	5339	5767	2855
11.1		12	1263	4986	15732	20000	11415
11 3		802	5053	20118	27628	14086	9813
		24	3942	14350	43887	55905	29685
							18078

here **is** the former table

	20	21	22	23	24	25	26
11.9			1	4	3		
11.8		1	15	26	8		
11.7			31	50	8	13	8

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11.6	1	38	50	40	34	10	1
11.5		46	99	138	102	75	12
11.4		130	301	332	251	156	49
11.3	1	627	1102	1763	1818	1055	539
11.2	2	989	2670	4900	5376	2839	1176
11.1	12	1263	4976	13961	18977	11389	3407
11 3	802	5042	17835	25694	14006	6178	
	20	3942	14320	38988	52265	29538	11362
							150435

As we can see, the new 11.7 came **in** the 23 clues area.  
Next investigation will **continue** also **in** the 22 23 clues area, but most will be done **in** the ↪  
↪24-26 clues.  
This should **not** change the tendency seen here **with** the pic SE ratings **in** the 22-23 clues area.  
As already said, this **is** partly due to the Sudoku Explainer rating rules,  
we have a direct effect of the number of candidates on the rating, **not** easy to quantify.

## Abbreviations