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Printable PDF Booklet

VWXYZ-Wing Practice Sudoku

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates

Every puzzle in this booklet is filtered to require VWXYZ-Wing. It is designed for solvers who want deliberate, targeted practice on paper.

DIFFICULTY

Custom / Custom

LAYOUT

4 Puzzles Per Page

TECHNIQUE

VWXYZ-Wing

CANDIDATES

Included

ANSWER KEY

Included at the end

GENERATED

Apr 12, 2026

PAPER

A4 / US Letter

You are welcome to share this booklet freely.

HINT SUPPORT

Need a logical hint? Every booklet here uses the same Puzzle IDs as [sudoku-puzzle.org](https://www.sudoku-puzzle.org). Open that site, enter your Puzzle ID in the "Start Game" dialog, and launch the solver for a clean step-by-step walkthrough. For more printable layouts and levels, visit [sudokuprintout.com](https://www.sudokuprintout.com).

VWXYZ-WING PRACTICE SUDOKU [VOL.9]

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#1 (ID: #519834)

SCORE: 399

STEPS: 76

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, XY-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper, Unique Rectangle Type 1, Unique Rectangle Type 2, Unique Rectangle Type 3

#2 (ID: #441896)

SCORE: 252

STEPS: 69

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, 2-String Kite

#3 (ID: #131487)

SCORE: 232

STEPS: 65

Level 8

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

Techs: Naked Single, Hidden Single, XY-Wing, VWXYZ-Wing, 2-String Kite

#4 (ID: #441886)

SCORE: 244

STEPS: 68

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, 2-String Kite

VWXYZ-WING PRACTICE SUDOKU [VOL.9]

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#5 (ID: #458763)

SCORE: 336

STEPS: 71

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links

#6 (ID: #458762)

SCORE: 336

STEPS: 71

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links

#7 (ID: #446795)

SCORE: 244

STEPS: 68

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XY-Wing, VWXYZ-Wing, 2-String Kite, Unique Rectangle Type 4

#8 (ID: #474176)

SCORE: 315

STEPS: 73

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, XY-Wing, WXYZ-Wing, VWXYZ-Wing

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#9 (ID: #472712)

SCORE: 312

STEPS: 72

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, Skyscraper, Grouped 2-String Kite, BUG (Bivalue Universal Grave)

#10 (ID: #515028)

SCORE: 174

STEPS: 65

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

#11 (ID: #472743)

SCORE: 313

STEPS: 73

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, Skyscraper, Grouped 2-String Kite, BUG (Bivalue Universal Grave)

#12 (ID: #515007)

SCORE: 173

STEPS: 64

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

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#13 (ID: #119036)

SCORE: 349

STEPS: 76

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Naked Triples, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper

#14 (ID: #443827)

SCORE: 279

STEPS: 70

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, X-Wing, VWXYZ-Wing, 2-String Kite

#15 (ID: #535549)

SCORE: 169

STEPS: 62

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, XY-Wing, VWXYZ-Wing

#16 (ID: #119216)

SCORE: 237

STEPS: 69

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, X-Wing, WXYZ-Wing, VWXYZ-Wing, Grouped Skyscraper

💡 Stuck? Enter the Puzzle ID at sodukupuzzle.org for step-by-step logical hints.

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#17 (ID: #514978)

SCORE: 173

STEPS: 64

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

#18 (ID: #519884)

SCORE: 489

STEPS: 78

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, VWXYZ-Wing, 2-String Kite, Grouped Skyscraper, Grouped Turbot Crane, XY-Chain

#19 (ID: #515005)

SCORE: 173

STEPS: 64

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

#20 (ID: #515048)

SCORE: 174

STEPS: 65

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

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#21 (ID: #519873)

SCORE: 399

STEPS: 76

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, XY-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper, Unique Rectangle Type 1, Unique Rectangle Type 2, Unique Rectangle Type 3

#22 (ID: #194915)

SCORE: 311

STEPS: 77

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Naked Triples, VWXYZ-Wing, Chute Remote Pairs

#23 (ID: #48201)

SCORE: 194

STEPS: 66

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, Grouped 2-String Kite

#24 (ID: #377753)

SCORE: 243

STEPS: 70

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, VWXYZ-Wing, 2-String Kite, Skyscraper, Grouped Skyscraper

VWXYZ-WING PRACTICE SUDOKU [VOL.9]

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#1 (ID: #519834)

SCORE: 399

STEPS: 76

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, XY-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper, Unique Rectangle Type 1, Unique Rectangle Type 2, Unique Rectangle Type 3

#2 (ID: #441896)

SCORE: 252

STEPS: 69

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, 2-String Kite

#3 (ID: #131487)

SCORE: 232

STEPS: 65

Level 8

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

Techs: Naked Single, Hidden Single, XY-Wing, VWXYZ-Wing, 2-String Kite

#4 (ID: #441886)

SCORE: 244

STEPS: 68

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, 2-String Kite

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#5 (ID: #458763)

SCORE: 336

STEPS: 71

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links

#6 (ID: #458762)

SCORE: 336

STEPS: 71

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links

#7 (ID: #446795)

SCORE: 244

STEPS: 68

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XY-Wing, VWXYZ-Wing, 2-String Kite, Unique Rectangle Type 4

#8 (ID: #474176)

SCORE: 315

STEPS: 73

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, XY-Wing, WXYZ-Wing, VWXYZ-Wing

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#9 (ID: #472712)

SCORE: 312

STEPS: 72

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, Skyscraper, Grouped 2-String Kite, BUG (Bivalue Universal Grave)

#10 (ID: #515028)

SCORE: 174

STEPS: 65

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

#11 (ID: #472743)

SCORE: 313

STEPS: 73

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, VWXYZ-Wing, Skyscraper, Grouped 2-String Kite, BUG (Bivalue Universal Grave)

#12 (ID: #515007)

SCORE: 173

STEPS: 64

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

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#13 (ID: #119036)

SCORE: 349

STEPS: 76

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Naked Triples, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper

#14 (ID: #443827)

SCORE: 279

STEPS: 70

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, X-Wing, VWXYZ-Wing, 2-String Kite

#15 (ID: #535549)

SCORE: 169

STEPS: 62

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, XY-Wing, VWXYZ-Wing

#16 (ID: #119216)

SCORE: 237

STEPS: 69

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, X-Wing, WXYZ-Wing, VWXYZ-Wing, Grouped Skyscraper

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#17 (ID: #514978)

SCORE: 173

STEPS: 64

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

#18 (ID: #519884)

SCORE: 489

STEPS: 78

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, VWXYZ-Wing, 2-String Kite, Grouped Skyscraper, Grouped Turbot Crane, XY-Chain

#19 (ID: #515005)

SCORE: 173

STEPS: 64

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

#20 (ID: #515048)

SCORE: 174

STEPS: 65

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing

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#1 (ID: #519834)

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

#2 (ID: #441896)

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

#3 (ID: #131487)

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

#4 (ID: #441886)

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

#5 (ID: #458763)

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

#6 (ID: #458762)

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

#7 (ID: #446795)

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

#8 (ID: #474176)

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

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#9 (ID: #472712)

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

#10 (ID: #515028)

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

#11 (ID: #472743)

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

#12 (ID: #515007)

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

#13 (ID: #119036)

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

#14 (ID: #443827)

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

#15 (ID: #535549)

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

#16 (ID: #119216)

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

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#17 (ID: #514978)

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

#18 (ID: #519884)

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

#19 (ID: #515005)

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

#20 (ID: #515048)

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

#21 (ID: #519873)

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

#22 (ID: #194915)

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

#23 (ID: #48201)

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

#24 (ID: #377753)

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