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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 sudokupuzzle.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.

VWXYZ-WING PRACTICE SUDOKU [VOL.4]

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#1 (ID: #22202)

SCORE: 263

STEPS: 66

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, Turbot Fish, XY-Chain, BUG (Bivalve Universal Grave)

#2 (ID: #491954)

SCORE: 251

STEPS: 67

Level 7

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

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

#3 (ID: #101937)

SCORE: 161

STEPS: 64

Level 7

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

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

#4 (ID: #422660)

SCORE: 306

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Swordfish, XY-Wing, VWXYZ-Wing, 2-String Kite, Grouped 2-String Kite, BUG (Bivalve Universal Grave)

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#5 (ID: #110210)

SCORE: 328

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Hidden Triples, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, Unique Rectangle Type 4

#6 (ID: #346872)

SCORE: 298

STEPS: 68

Level 7

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

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

#7 (ID: #254442)

SCORE: 232

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Chute Remote Pairs

#8 (ID: #121606)

SCORE: 331

STEPS: 72

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Chute Remote Pairs

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#9 (ID: #142258)

SCORE: 292

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Grouped Turbot Crane, XY-Chain, Unique Rectangle Type 4

#10 (ID: #465212)

SCORE: 298

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XY-Wing, VWXYZ-Wing, Skyscraper, XY-Chain

#11 (ID: #465213)

SCORE: 146

STEPS: 66

Level 7

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

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

#12 (ID: #467083)

SCORE: 250

STEPS: 73

Level 7

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

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

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

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#13 (ID: #467080)

SCORE: 249

STEPS: 72

Level 7

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

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

#14 (ID: #490062)

SCORE: 273

STEPS: 72

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, Chute Remote Pairs, Unique Rectangle Type 4

#15 (ID: #325728)

SCORE: 348

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, Unique Rectangle Type 3

#16 (ID: #254162)

SCORE: 254

STEPS: 69

Level 7

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

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

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

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#17 (ID: #509312)

SCORE: 357

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, XY-Chain, Unique Rectangle Type 3, BUG (Bivalue Universal Grave)

#18 (ID: #164135)

SCORE: 351

STEPS: 75

Level 7

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

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

#19 (ID: #531028)

SCORE: 323

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Unique Rectangle Type 1

#20 (ID: #551404)

SCORE: 166

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, Skyscraper

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#21 (ID: #161747)

SCORE: 352

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, 3 Strong Links, Grouped 2-String Kite, XY-Chain, Unique Rectangle Type 4

#22 (ID: #551403)

SCORE: 166

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, Skyscraper

#23 (ID: #42327)

SCORE: 394

STEPS: 72

Level 7

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

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

#24 (ID: #201905)

SCORE: 452

STEPS: 78

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, XY-Chain, Unique Rectangle Type 1, Unique Rectangle Type 4

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#1 (ID: #22202)

SCORE: 263

STEPS: 66

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, Turbot Fish, XY-Chain, BUG (Bivalue Universal Grave)

#2 (ID: #491954)

SCORE: 251

STEPS: 67

Level 7

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

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

#3 (ID: #101937)

SCORE: 161

STEPS: 64

Level 7

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

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

#4 (ID: #422660)

SCORE: 306

STEPS: 69

Level 7

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

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

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#5 (ID: #110210)

SCORE: 328

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Hidden Triples, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, Unique Rectangle Type 4

#6 (ID: #346872)

SCORE: 298

STEPS: 68

Level 7

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

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

#7 (ID: #254442)

SCORE: 232

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Chute Remote Pairs

#8 (ID: #121606)

SCORE: 331

STEPS: 72

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Chute Remote Pairs

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#9 (ID: #142258)

SCORE: 292

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Grouped Turbot Crane, XY-Chain, Unique Rectangle Type 4

#10 (ID: #465212)

SCORE: 298

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XY-Wing, VWXYZ-Wing, Skyscraper, XY-Chain

#11 (ID: #465213)

SCORE: 146

STEPS: 66

Level 7

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

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

#12 (ID: #467083)

SCORE: 250

STEPS: 73

Level 7

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

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

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#13 (ID: #467080)

SCORE: 249

STEPS: 72

Level 7

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

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

#14 (ID: #490062)

SCORE: 273

STEPS: 72

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, Chute Remote Pairs, Unique Rectangle Type 4

#15 (ID: #325728)

SCORE: 348

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, Unique Rectangle Type 3

#16 (ID: #254162)

SCORE: 254

STEPS: 69

Level 7

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

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

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#17 (ID: #509312)

SCORE: 357

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, XY-Chain, Unique Rectangle Type 3, BUG (Bivalue Universal Grave)

#18 (ID: #164135)

SCORE: 351

STEPS: 75

Level 7

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

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

#19 (ID: #531028)

SCORE: 323

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Unique Rectangle Type 1

#20 (ID: #551404)

SCORE: 166

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, Skyscraper

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#21 (ID: #161747)

SCORE: 352

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, 3 Strong Links, Grouped 2-String Kite, XY-Chain, Unique Rectangle Type 4

#22 (ID: #551403)

SCORE: 166

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, Skyscraper

#23 (ID: #42327)

SCORE: 394

STEPS: 72

Level 7

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

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

#24 (ID: #201905)

SCORE: 452

STEPS: 78

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, XY-Chain, Unique Rectangle Type 1, Unique Rectangle Type 4

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#1 (ID: #22202)

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

#2 (ID: #491954)

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

#3 (ID: #101937)

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

#4 (ID: #422660)

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

#5 (ID: #110210)

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

#6 (ID: #346872)

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

#7 (ID: #254442)

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

#8 (ID: #121606)

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

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#9 (ID: #142258)

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

#10 (ID: #465212)

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

#11 (ID: #465213)

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

#12 (ID: #467083)

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

#13 (ID: #467080)

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

#14 (ID: #490062)

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

#15 (ID: #325728)

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

#16 (ID: #254162)

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

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#17 (ID: #509312)

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

#18 (ID: #164135)

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

#19 (ID: #531028)

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

#20 (ID: #551404)

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

#21 (ID: #161747)

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

#22 (ID: #551403)

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

#23 (ID: #42327)

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

#24 (ID: #201905)

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