

Printable PDF Booklet

X-Cycle Practice Sudoku

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

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

DIFFICULTY
Custom / Custom

LAYOUT
2 Puzzles Per Page

TECHNIQUE
X-Cycle

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](https://www.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](https://www.sudokuprintout.com).

X-CYCLE PRACTICE SUDOKU [VOL.2]

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#1 (ID: #123347)

SCORE: 377

STEPS: 75

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, XYZ-Wing, Skyscraper, 3 Strong Links, 4 Strong Links, X-Cycle

#2 (ID: #136219)

SCORE: 229

STEPS: 64

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Turbot Fish, 3 Strong Links, XY-Chain, X-Cycle

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

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#3 (ID: #174676)

SCORE: 263

STEPS: 68

Level 9

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

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

#4 (ID: #175978)

SCORE: 520

STEPS: 85

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, XY-Wing, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, 4 Strong Links, Grouped Skyscraper, X-Cycle

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

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#5 (ID: #181101)

SCORE: 449

STEPS: 79

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, X-Cycle, Chute Remote Pairs

#6 (ID: #207302)

SCORE: 470

STEPS: 81

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, 4 Strong Links, X-Cycle

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

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#7 (ID: #224360) SCORE: 502 STEPS: 82

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, WXYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, X-Cycle, Chute Remote Pairs, Unique Rectangle Type 4

#8 (ID: #249609) SCORE: 467 STEPS: 79

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, X-Cycle

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#9 (ID: #256617)

SCORE: 332

STEPS: 69

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Triples, XY-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, X-Cycle

#10 (ID: #258179)

SCORE: 548

STEPS: 79

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, WXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, 4 Strong Links, Grouped Turbot Crane, XY-Chain, X-Cycle, BUG (Bivalve Universal Grave)

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

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#11 (ID: #281982) SCORE: 381 STEPS: 73

Level 9

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

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

#12 (ID: #287832) SCORE: 287 STEPS: 71

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, 2-String Kite, 3 Strong Links, 4 Strong Links, X-Cycle, Chute Remote Pairs

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#13 (ID: #290689)

SCORE: 641

STEPS: 89

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, X-Cycle, Unique Rectangle Type 1

#14 (ID: #292275)

SCORE: 756

STEPS: 95

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Chute Remote Pairs, BUG (Bivalue Universal Grave)

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#15 (ID: #306906)

SCORE: 610

STEPS: 86

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Naked Triples, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, X-Cycle, Unique Rectangle Type 4

#16 (ID: #312696)

SCORE: 277

STEPS: 65

Level 9

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

Techs: Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Grouped Skyscraper, X-Cycle, Chute Remote Pairs

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#17 (ID: #313634)

SCORE: 566

STEPS: 81

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, X-Wing, XY-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs

#18 (ID: #320601)

SCORE: 217

STEPS: 66

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, X-Cycle

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

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#19 (ID: #325014)

SCORE: 319

STEPS: 71

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, WXYZ-Wing, Turbot Fish, 3 Strong Links, Grouped 2-String Kite, XY-Chain, X-Cycle

#20 (ID: #327496)

SCORE: 629

STEPS: 87

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, Grouped Skyscraper, X-Cycle

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

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#21 (ID: #344424)

SCORE: 480

STEPS: 78

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, WXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, X-Cycle, Unique Rectangle Type 1

#22 (ID: #350825)

SCORE: 328

STEPS: 71

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, 2-String Kite, Skyscraper, Turbot Fish, Grouped Turbot Crane, X-Cycle

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

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#23 (ID: #350850)

SCORE: 209

STEPS: 66

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XYZ-Wing, Turbot Fish, 3 Strong Links, X-Cycle, Chute Remote Pairs

#24 (ID: #353573)

SCORE: 359

STEPS: 74

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, X-Wing, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Chute Remote Pairs

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

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#1 (ID: #123347)

SCORE: 377

STEPS: 75

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, XYZ-Wing, Skyscraper, 3 Strong Links, 4 Strong Links, X-Cycle

#2 (ID: #136219)

SCORE: 229

STEPS: 64

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Turbot Fish, 3 Strong Links, XY-Chain, X-Cycle

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#3 (ID: #174676)

SCORE: 263

STEPS: 68

Level 9

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

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

#4 (ID: #175978)

SCORE: 520

STEPS: 85

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, XY-Wing, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, 4 Strong Links, Grouped Skyscraper, X-Cycle

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#5 (ID: #181101)

SCORE: 449

STEPS: 79

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, X-Cycle, Chute Remote Pairs

#6 (ID: #207302)

SCORE: 470

STEPS: 81

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, 4 Strong Links, X-Cycle

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#7 (ID: #224360) SCORE: 502 STEPS: 82

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, WXYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, X-Cycle, Chute Remote Pairs, Unique Rectangle Type 4

#8 (ID: #249609) SCORE: 467 STEPS: 79

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, X-Cycle

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#9 (ID: #256617)

SCORE: 332

STEPS: 69

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Triples, XY-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, X-Cycle

#10 (ID: #258179)

SCORE: 548

STEPS: 79

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, WXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, 4 Strong Links, Grouped Turbot Crane, XY-Chain, X-Cycle, BUG (Bivalue Universal Grave)

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#11 (ID: #281982) SCORE: 381 STEPS: 73

Level 9

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

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

#12 (ID: #287832) SCORE: 287 STEPS: 71

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, 2-String Kite, 3 Strong Links, 4 Strong Links, X-Cycle, Chute Remote Pairs

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#13 (ID: #290689) SCORE: 641 STEPS: 89

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, X-Cycle, Unique Rectangle Type 1

#14 (ID: #292275) SCORE: 756 STEPS: 95

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Chute Remote Pairs, BUG (Bivalue Universal Grave)

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#15 (ID: #306906)

SCORE: 610

STEPS: 86

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Naked Triples, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, X-Cycle, Unique Rectangle Type 4

#16 (ID: #312696)

SCORE: 277

STEPS: 65

Level 9

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

Techs: Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Grouped Skyscraper, X-Cycle, Chute Remote Pairs

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#17 (ID: #313634)

SCORE: 566

STEPS: 81

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, X-Wing, XY-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs

#18 (ID: #320601)

SCORE: 217

STEPS: 66

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, X-Cycle

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#19 (ID: #325014)

SCORE: 319

STEPS: 71

Level 9

^{5 6} _{7 9}	4	2	³ _{5 9}	8	³ _{7 9}	³ _{5 6}	1	³ _{7 6}
3	^{5 6} ₇	5	1	² _{5 7}	² _{4 5 7}	² _{5 6 8}	² _{5 6 7 8}	9
¹ _{5 7 9}	¹ _{5 7}	8	^{2 3} _{5 9}	^{2 3} _{5 7 9}	6	^{2 3} ₅	4	^{2 3} _{5 7}
⁵ _{8 9}	³ _{5 8}	³ _{5 9}	7	^{2 3} _{5 9}	1	^{2 3} _{4 5 6 8 9}	^{2 3} _{5 6 8 9}	^{2 3} _{4 5 6}
¹ _{5 8 9}	^{1 3} _{5 8}	4	^{2 3} _{5 6 9}	^{2 3} _{5 9}	^{2 3} _{5 8 9}	7	^{2 3} _{5 6 8 9}	^{2 3} _{5 6}
¹ _{5 7 8 9}	2	6	³ _{5 9}	4	³ _{5 8 9}	^{1 3} _{5 8 9}	³ _{5 8 9}	³ ₅
4 5 6	³ _{5 6}	³ ₅	8	^{2 3} _{5 7 9}	^{2 3} _{4 5 7 9}	^{2 3} _{4 5 6 9 7}	^{2 3} _{5 6 9 7}	1
2	^{1 3} _{5 6 8}	7	³ _{4 5 9}	^{1 3} _{5 9}	³ _{4 5 9}	³ _{4 5 6 9}	³ _{5 6 9}	³ _{4 5 6}
¹ _{4 5}	9	^{1 3} ₅	^{2 3} _{4 5}	6	^{2 3} _{4 5 7}	^{2 3} _{4 5 7}	^{2 3} _{5 7}	8

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, WXYZ-Wing, Turbot Fish, 3 Strong Links, Grouped 2-String Kite, XY-Chain, X-Cycle

#20 (ID: #327496)

SCORE: 629

STEPS: 87

Level 9

^{1 2 3} _{5 6 8}	^{1 2 3} _{5 8}	^{1 2} _{4 5 6 8}	9	¹ _{4 5 6}	¹ _{4 5 7 8}	^{1 2 3} _{4 6 7}	^{1 2 3} _{4 6 7}	^{1 3} _{4 6}
^{1 2 3} _{5 6}	^{1 2 3} ₅	^{1 2} _{4 5 6}	¹ _{5 6 7}	¹ _{4 5 6}	¹ _{4 5 7}	^{1 2 3} _{4 6 7 9}	^{1 2 3} _{4 6 7 9}	8
¹ _{6 8}	9	7	3	2	¹ _{4 8}	¹ _{4 6}	¹ _{4 6}	5
^{1 2 3} _{5 6 8}	7	^{1 2} _{5 6 8}	4	^{1 3} _{5 6}	^{1 2 3} _{5 8}	^{1 2 3} ₆	^{1 2 3} ₆	9
^{1 2 3} _{6 8}	^{1 2 3} ₈	^{1 2} _{6 8}	¹ _{6 8}	^{1 3} ₆	^{1 2 3} _{8 9}	^{1 2 3} _{4 6 7}	5	^{1 3} _{4 6}
9	4	^{1 2} _{5 6}	¹ _{5 6}	7	^{1 2 3} ₅	^{1 2 3} ₆	8	^{1 3} ₆
¹	6	¹ _{9 7}	¹ ₇	8	^{1 3} _{4 7}	5	^{1 3} _{4 9}	2
7	¹ _{5 8}	¹ _{5 8 9}	2	^{1 3} _{4 5}	^{1 3} _{4 5}	^{1 3} _{4 6 8 9}	^{1 3} _{4 6 9}	^{1 3} _{4 6}
4	^{1 2} _{5 8}	3	¹ ₅	9	6	¹ ₈	¹	7

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, Grouped Skyscraper, X-Cycle

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#21 (ID: #344424)

SCORE: 480

STEPS: 78

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, WXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, X-Cycle, Unique Rectangle Type 1

#22 (ID: #350825)

SCORE: 328

STEPS: 71

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, 2-String Kite, Skyscraper, Turbot Fish, Grouped Turbot Crane, X-Cycle

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#23 (ID: #350850)

SCORE: 209

STEPS: 66

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XYZ-Wing, Turbot Fish, 3 Strong Links, X-Cycle, Chute Remote Pairs

#24 (ID: #353573)

SCORE: 359

STEPS: 74

Level 9

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, X-Wing, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Chute Remote Pairs

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

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#1 (ID: #123347)

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

#2 (ID: #136219)

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

#3 (ID: #174676)

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

#4 (ID: #175978)

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

#5 (ID: #181101)

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

#6 (ID: #207302)

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

#7 (ID: #224360)

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

#8 (ID: #249609)

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

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#9 (ID: #256617)

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

#10 (ID: #258179)

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

#11 (ID: #281982)

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

#12 (ID: #287832)

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

#13 (ID: #290689)

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

#14 (ID: #292275)

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

#15 (ID: #306906)

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

#16 (ID: #312696)

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

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#17 (ID: #313634)

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

#18 (ID: #320601)

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

#19 (ID: #325014)

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

#20 (ID: #327496)

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

#21 (ID: #344424)

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

#22 (ID: #350825)

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

#23 (ID: #350850)

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

#24 (ID: #353573)

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