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Printable PDF Booklet

X-Cycle Practice Sudoku

2 Puzzles Per Page | 18 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**. 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**.

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#1 (ID: #382340) SCORE: 470 STEPS: 81

Level 10

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

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

#2 (ID: #382356) SCORE: 471 STEPS: 82

Level 10

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

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

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#3 (ID: #382357) SCORE: 471 STEPS: 82

Level 10

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

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

#4 (ID: #382358) SCORE: 471 STEPS: 82

Level 10

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

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

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#5 (ID: #382370) SCORE: 472 STEPS: 83

Level 10

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

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

#6 (ID: #382371) SCORE: 472 STEPS: 83

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, 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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#7 (ID: #401011)

SCORE: 908

STEPS: 100

Level 10

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

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

#8 (ID: #428348)

SCORE: 700

STEPS: 92

Level 10

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

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

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

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#9 (ID: #428398) SCORE: 1058 STEPS: 100

Level 10

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

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

#10 (ID: #507816) SCORE: 1158 STEPS: 108

Level 10

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

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

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#11 (ID: #507817)

SCORE: 1033

STEPS: 102

Level 10

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

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

#12 (ID: #507967)

SCORE: 1159

STEPS: 109

Level 10

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

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

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#13 (ID: #514098)

SCORE: 932

STEPS: 102

Level 10

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

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

#14 (ID: #528065)

SCORE: 661

STEPS: 89

Level 10

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

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

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#15 (ID: #528074)

SCORE: 662

STEPS: 90

Level 10

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

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

#16 (ID: #554233)

SCORE: 561

STEPS: 82

Level 10

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

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

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

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#17 (ID: #554243)

SCORE: 561

STEPS: 82

Level 10

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

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

#18 (ID: #554263)

SCORE: 562

STEPS: 83

Level 10

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

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

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#1 (ID: #382340) SCORE: 470 STEPS: 81

Level 10

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

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

#2 (ID: #382356) SCORE: 471 STEPS: 82

Level 10

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

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

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

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#3 (ID: #382357) SCORE: 471 STEPS: 82

Level 10

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

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

#4 (ID: #382358) SCORE: 471 STEPS: 82

Level 10

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

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

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#5 (ID: #382370) SCORE: 472 STEPS: 83

Level 10

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

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

#6 (ID: #382371) SCORE: 472 STEPS: 83

Level 10

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

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

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#7 (ID: #401011) SCORE: 908 STEPS: 100

Level 10

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

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

#8 (ID: #428348) SCORE: 700 STEPS: 92

Level 10

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

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

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

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#9 (ID: #428398) SCORE: 1058 STEPS: 100

Level 10

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

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

#10 (ID: #507816) SCORE: 1158 STEPS: 108

Level 10

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

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

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#11 (ID: #507817)

SCORE: 1033

STEPS: 102

Level 10

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

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

#12 (ID: #507967)

SCORE: 1159

STEPS: 109

Level 10

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

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

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#13 (ID: #514098)

SCORE: 932

STEPS: 102

Level 10

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

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

#14 (ID: #528065)

SCORE: 661

STEPS: 89

Level 10

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

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

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#15 (ID: #528074)

SCORE: 662

STEPS: 90

Level 10

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

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

#16 (ID: #554233)

SCORE: 561

STEPS: 82

Level 10

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

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

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

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#17 (ID: #554243)

SCORE: 561

STEPS: 82

Level 10

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

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

#18 (ID: #554263)

SCORE: 562

STEPS: 83

Level 10

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

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

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#1 (ID: #382340)

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

#2 (ID: #382356)

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

#3 (ID: #382357)

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

#4 (ID: #382358)

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

#5 (ID: #382370)

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

#6 (ID: #382371)

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

#7 (ID: #401011)

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

#8 (ID: #428348)

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

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#9 (ID: #428398)

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

#10 (ID: #507816)

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

#11 (ID: #507817)

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

#12 (ID: #507967)

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

#13 (ID: #514098)

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

#14 (ID: #528065)

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

#15 (ID: #528074)

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

#16 (ID: #554233)

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

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#17 (ID: #554243)

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

#18 (ID: #554263)

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