

Printable PDF Booklet

X-Cycle Practice Sudoku

4 Puzzles Per Page | 24 Puzzles

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

4 Puzzles Per Page

TECHNIQUE

X-Cycle

CANDIDATES

Off

ANSWER KEY

Not included

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 [sudoku-printout.com](https://www.sudoku-printout.com).

X-CYCLE PRACTICE SUDOKU [VOL.4]

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#1 (ID: #64577)

SCORE: 298

STEPS: 68

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, X-Wing, WXYZ-Wing, VWXYZ-Wing, 3 Strong Links, X-Cycle, Chute Remote Pairs

#2 (ID: #67246)

SCORE: 572

STEPS: 80

Level 10

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

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

#3 (ID: #68654)

SCORE: 454

STEPS: 79

Level 10

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

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

#4 (ID: #73617)

SCORE: 676

STEPS: 84

Level 10

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

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

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#5 (ID: #75110)

SCORE: 395

STEPS: 70

Level 10

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

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

#6 (ID: #75941)

SCORE: 579

STEPS: 82

Level 10

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

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

#7 (ID: #78828)

SCORE: 568

STEPS: 83

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, VWXYZ-Wing, Skyscraper, 4 Strong Links, Grouped Turbot Crane, X-Cycle

#8 (ID: #79080)

SCORE: 517

STEPS: 81

Level 10

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

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

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#9 (ID: #83033)

SCORE: 423

STEPS: 80

Level 10

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

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

#10 (ID: #100655)

SCORE: 646

STEPS: 83

Level 10

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

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

#11 (ID: #101180)

SCORE: 312

STEPS: 67

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, 2-String Kite, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Unique Rectangle Type 2

#12 (ID: #102298)

SCORE: 481

STEPS: 77

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Naked Triples, Skyscraper, Turbot Fish, 3 Strong Links, Grouped 2-String Kite, X-Cycle

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#13 (ID: #109844)

SCORE: 664

STEPS: 89

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, VWXYZ-Wing, Skyscraper, Turbot Fish, X-Cycle, Chute Remote Pairs

#14 (ID: #111167)

SCORE: 760

STEPS: 86

Level 10

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

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

#15 (ID: #114133)

SCORE: 318

STEPS: 71

Level 10

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

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

#16 (ID: #124179)

SCORE: 552

STEPS: 84

Level 10

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

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

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#17 (ID: #126533)

SCORE: 402

STEPS: 74

Level 10

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

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

#18 (ID: #127164)

SCORE: 503

STEPS: 77

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, Grouped Turbot Crane, X-Cycle, Unique Rectangle Type 4

#19 (ID: #127344)

SCORE: 350

STEPS: 72

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, 2-String Kite, Turbot Fish, 3 Strong Links, X-Cycle

#20 (ID: #129762)

SCORE: 412

STEPS: 73

Level 10

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

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

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#21 (ID: #132209)

SCORE: 443

STEPS: 75

Level 10

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

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

#22 (ID: #134384)

SCORE: 463

STEPS: 75

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, WXYZ-Wing, 2-String Kite, Skyscraper, Grouped Turbot Crane, X-Cycle

#23 (ID: #143428)

SCORE: 662

STEPS: 90

Level 10

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

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

#24 (ID: #145851)

SCORE: 556

STEPS: 82

Level 10

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

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