

Printable PDF Booklet

X-Cycle Practice Sudoku

6 Puzzles Per Page | 24 Puzzles | With Answers

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

6 Puzzles Per Page

TECHNIQUE

X-Cycle

CANDIDATES

Off

ANSWER KEY

Included at the end

GENERATED

Apr 12, 2026

PAPER

A4 / US Letter

You are welcome to share this booklet freely.

HINT SUPPORT

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

#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

#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

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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
								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

#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 (Bivalue Universal Grave)

#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)

#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

#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

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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

#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

#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

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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