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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.6]

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#1 (ID: #266334)

SCORE: 390

STEPS: 71

Level 10

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

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

#2 (ID: #275036)

SCORE: 618

STEPS: 82

Level 10

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

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

#3 (ID: #275121)

SCORE: 882

STEPS: 106

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, 4 Strong Links, X-Cycle, Unique Rectangle Type 1

#4 (ID: #278825)

SCORE: 511

STEPS: 76

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XYZ-Wing, 3 Strong Links, Grouped Turbot Crane, XY-Chain, X-Cycle

#5 (ID: #279790)

SCORE: 755

STEPS: 88

Level 10

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

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

#6 (ID: #283571)

SCORE: 488

STEPS: 75

Level 10

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

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

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#7 (ID: #291232)

SCORE: 523

STEPS: 81

Level 10

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

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

#8 (ID: #293937)

SCORE: 711

STEPS: 83

Level 10

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

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

#9 (ID: #309298)

SCORE: 823

STEPS: 89

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper, 3 Strong Links, Grouped Turbot Crane, XY-Chain, X-Cycle, Unique Rectangle Type 4

#10 (ID: #311978)

SCORE: 600

STEPS: 85

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Naked Triples, X-Wing, WXYZ-Wing, VWXYZ-Wing, Skyscraper, 3 Strong Links, XY-Chain, X-Cycle

#11 (ID: #313621)

SCORE: 662

STEPS: 83

Level 10

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

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

#12 (ID: #317440)

SCORE: 498

STEPS: 79

Level 10

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

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

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#13 (ID: #321656)

SCORE: 841

STEPS: 94

Level 10

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

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

#14 (ID: #342729)

SCORE: 535

STEPS: 79

Level 10

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

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

#15 (ID: #346425)

SCORE: 888

STEPS: 91

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Naked Triples, X-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, XY-Chain, X-Cycle, Unique Rectangle Type 2

#16 (ID: #346799)

SCORE: 445

STEPS: 76

Level 10

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

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

#17 (ID: #349695)

SCORE: 340

STEPS: 70

Level 10

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

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

#18 (ID: #349986)

SCORE: 374

STEPS: 72

Level 10

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

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

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#19 (ID: #352488)

SCORE: 401

STEPS: 71

Level 10

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

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

#20 (ID: #354536)

SCORE: 555

STEPS: 81

Level 10

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

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

#21 (ID: #358955)

SCORE: 680

STEPS: 89

Level 10

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

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

#22 (ID: #360895)

SCORE: 466

STEPS: 79

Level 10

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

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

#23 (ID: #368951)

SCORE: 856

STEPS: 95

Level 10

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

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

#24 (ID: #368979)

SCORE: 892

STEPS: 99

Level 10

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

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

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#1 (ID: #266334)

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

#2 (ID: #275036)

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

#3 (ID: #275121)

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

#4 (ID: #278825)

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

#5 (ID: #279790)

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

#6 (ID: #283571)

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

#7 (ID: #291232)

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

#8 (ID: #293937)

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

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#9 (ID: #309298)

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

#10 (ID: #311978)

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

#11 (ID: #313621)

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

#12 (ID: #317440)

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

#13 (ID: #321656)

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

#14 (ID: #342729)

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

#15 (ID: #346425)

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

#16 (ID: #346799)

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

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#17 (ID: #349695)

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

#18 (ID: #349986)

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

#19 (ID: #352488)

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

#20 (ID: #354536)

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

#21 (ID: #358955)

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

#22 (ID: #360895)

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

#23 (ID: #368951)

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

#24 (ID: #368979)

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