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Printable PDF Booklet

# X-Cycle Practice Sudoku

1 Puzzle 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

1 Puzzle 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.*

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## 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.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#1 (ID: #146074)

SCORE: 807

STEPS: 95

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

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#2 (ID: #154821)

SCORE: 734

STEPS: 85

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Swordfish, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Unique Rectangle Type 4, BUG (Bivalve Universal Grave)

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#3 (ID: #156548)

SCORE: 697

STEPS: 84

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, X-Wing, XYZ-Wing, WXYZ-Wing, Turbot Fish, XY-Chain, X-Cycle, Chute Remote Pairs, Unique Rectangle Type 4

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#4 (ID: #158168)

SCORE: 708

STEPS: 88

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

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#5 (ID: #159733)

SCORE: 410

STEPS: 72

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

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#6 (ID: #164852)

SCORE: 506

STEPS: 77

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

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#7 (ID: #179188)

SCORE: 535

STEPS: 75

Level 10

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

Techs: **Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, Grouped Turbot Crane, X-Cycle**

💡 Stuck? Enter the Puzzle ID at [sodokupuzzle.org](http://sodokupuzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#8 (ID: #179663)

SCORE: 888

STEPS: 97

Level 10

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

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#9 (ID: #185659)

SCORE: 506

STEPS: 77

Level 10

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

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#10 (ID: #193075)

SCORE: 533

STEPS: 79

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#11 (ID: #196307)

SCORE: 710

STEPS: 80

Level 10

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

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, Turbot Fish, 3 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs, BUG (Bivalve Universal Grave)**

💡 Stuck? Enter the Puzzle ID at [sudokupuzzle.org](http://sudokupuzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#12 (ID: #203185)

SCORE: 463

STEPS: 75

Level 10

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

Techs: **Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Triples, XY-Wing, XYZ-Wing, VWXYZ-Wing, Skyscraper, 3 Strong Links, 4 Strong Links, Grouped Skyscraper, X-Cycle, Chute Remote Pairs**

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#13 (ID: #215174)

SCORE: 461

STEPS: 76

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#14 (ID: #217528)

SCORE: 568

STEPS: 85

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#15 (ID: #223341)

SCORE: 610

STEPS: 85

Level 10

		3		5			7	
		8	6		3			
	5	2			7			
		1				4		
8					2	6	3	
							8	7
					8	1		4
	7							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, Chute Remote Pairs**

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#16 (ID: #242895)

SCORE: 565

STEPS: 81

Level 10

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

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#17 (ID: #244107)

SCORE: 647

STEPS: 83

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, WXYZ-Wing, Turbot Fish, 3 Strong Links, 4 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#18 (ID: #247872)

SCORE: 557

STEPS: 81

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

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#19 (ID: #250356)

SCORE: 993

STEPS: 107

Level 10

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

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, WXYZ-Wing, 2-String Kite, XY-Chain, X-Cycle, Unique Rectangle Type 4**

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#20 (ID: #250598)

SCORE: 515

STEPS: 80

Level 10

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

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, X-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, X-Cycle, Unique Rectangle Type 3, Unique Rectangle Type 4, BUG (Bivalve Universal Grave)**

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#21 (ID: #254534)

SCORE: 552

STEPS: 82

Level 10

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

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#22 (ID: #258280)

SCORE: 534

STEPS: 78

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudokupuzzle.org](http://sudokupuzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

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#23 (ID: #262843)

SCORE: 972

STEPS: 105

Level 10

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

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, 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](http://sudoku-puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#24 (ID: #265483)

SCORE: 491

STEPS: 80

Level 10

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

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

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

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#1 (ID: #146074)

SCORE: 807

STEPS: 95

Level 10

1 7	3 6 9	1 4 9	3 6 4 7	1 4 9	<b>8</b>	1 4 9	1 6 4 9	<b>2</b>	1 5 7	3 4 5 6 9
1 8	3 6 9	<b>5</b>	1 4 9	1 4 9	<b>7</b>	<b>2</b>	1 4 9	1 8 9	3 4 6 8	1 3 4 5 6 8
1 7	2 6 8 9	1 4 9	2 6 4 7	1 4 9	<b>3</b>	<b>5</b>	1 4 9	1 4 7	1 6 8 9	1 4 6 8
1 7	2 5 3	1 2 3	1 5 7	2 5 7	<b>6</b>	1 4 8	3 4 5 8	1 5 7	1 5 7 8	<b>9</b>
<b>4</b>	<b>8</b>	1 7	2 5 9	1 5 9	1 2 5	3 9	1 5 9	1 5 6 7	2 5 7	1 2 5 6
1 5	2 9	1 9	2 6	<b>6</b>	1 5	1 8 9	<b>7</b>	<b>3</b>	<b>4</b>	1 5 8
1 9	2 4 9	1 9	2 3	<b>3</b>	1 4 5	1 4 8	<b>6</b>	1 4 5 9	1 2 5 9	<b>7</b>
1 5 6	<b>7</b>	1 4 5	<b>9</b>	<b>2</b>	1 4 5	<b>8</b>	1 5 3	1 4 5	1 3 4 5	
1 5	2 4 9	1 9	2 8	<b>8</b>	1 4 5 7	1 4	<b>3</b>	1 4 5 9	<b>6</b>	1 2 4 5

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#2 (ID: #154821)

SCORE: 734

STEPS: 85

Level 10

<b>1</b>	3 6	3 8	2 3 6 7 8	2 3 4 5 7	2 3 5 6 8	3 5 6 8	2 3 5 6 8	<b>9</b>
3 6 8	<b>7</b>	<b>2</b>	3 6 8 9	1 3 5 9	1 3 5 6 8 9	<b>4</b>	1 3 5 6 8	3 5 6 8
<b>5</b>	3 6 9	<b>4</b>	2 3 6 8 9	1 2 3 9	1 2 3 6 8 9	<b>7</b>	1 2 3 6 8	3 6 8
<b>9</b>	1 3 4	1 3 7 8	<b>5</b>	<b>6</b>	3 8	3 8	3 4 7 8	<b>2</b>
3 4 6 8	3 4 6	<b>5</b>	<b>1</b>	2 3	<b>7</b>	<b>9</b>	3 4 6 8	3 4 6 8
3 6 7 8	<b>2</b>	3 7 8	3 8 9	3 9	<b>4</b>	3 5 6 8	3 5 6 7 8	<b>1</b>
2 3 7	<b>8</b>	<b>9</b>	<b>4</b>	2 3 5 7	2 3 5 6	<b>1</b>	3 5 6 7	3 5 6 7
3 4 7	1 3 4 5	1 3 7	3 6 7 9	1 3 5 7 9	1 3 5 6 9	<b>2</b>	3 4 5 6 7 8 9	3 4 5 6 7 8
2 3 4 7	1 3 4 5	<b>6</b>	2 3 7 9	<b>8</b>	1 2 3 5 9	3 5	3 4 5 7 9	3 4 5 7

Techs: **Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Swordfish, XY-Wing, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Unique Rectangle Type 4, BUG (Bivalve Universal Grave)**

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#3 (ID: #156548)

SCORE: 697

STEPS: 84

Level 10

2 6	2 4	<b>7</b>	1 3 4 5 6	1 3 6	<b>8</b>	<b>9</b>	2 3 4 6	1 2 3 6
6 9	<b>5</b>	<b>1</b>	3 4 6	<b>2</b>	<b>7</b>	<b>8</b>	3 4 6	3 6
<b>3</b>	2 4 6 8	2 6	1 4 6	<b>9</b>	1 4 6	1 2 4 6	<b>5</b>	<b>7</b>
2 6 8	1 2 3 6 8	<b>9</b>	1 3 6 7 8	1 3 6 7 8	1 3 6	2 5 6 7	2 6 8	<b>4</b>
6 8	<b>7</b>	<b>4</b>	6 8	<b>5</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>9</b>
<b>5</b>	1 2 3 6 8	2 3 6	1 3 4 6 7 8 9	1 3 6 7 8	1 3 4 6 9	2 6 7	2 6 8	2 6 8
<b>1</b>	2 3 6 9	<b>5</b>	2 3 6 7 8 9	<b>4</b>	3 6 9	2 6	2 3 6 8 9	2 3 6 8
<b>4</b>	2 3 6 9	<b>8</b>	1 2 3 6 9	1 3 6	<b>5</b>	1 2 6	<b>7</b>	1 2 3 6
2 6 7 9	2 3 6 9	2 3 6	1 2 3 6 7 8 9	1 3 6 7 8	1 3 6 9	1 2 4 5 6	2 3 4 6 8 9	1 2 3 5 6 8

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, X-Wing, XYZ-Wing, WXYZ-Wing, Turbot Fish, XY-Chain, X-Cycle, Chute Remote Pairs, Unique Rectangle Type 4**

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#4 (ID: #158168)

SCORE: 708

STEPS: 88

Level 10

1 4 5 6 7	1 5 6 7 8	1 3 4 8	<b>9</b>	<b>2</b>	1 6	1 3 4 5 6 8	1 3 4 6 7 8	1 4 5 6 7
1 4 5 6	<b>2</b>	1 3 4 8	1 6 8	1 6 8	<b>7</b>	1 3 4 5 6 8	1 3 4 6 8 9	1 4 5 6
<b>9</b>	1 6 7 8	1 8	<b>3</b>	<b>5</b>	<b>4</b>	1 2 6 8	1 2 6 7 8	1 2 6 7
<b>3</b>	1 6 8 9	<b>7</b>	<b>2</b>	<b>4</b>	1 5 6 9	1 5 6 8	1 6 8	1 5 6
1 2 6	<b>4</b>	<b>5</b>	1 6 8	<b>7</b>	1 6 9	1 2 6 8	1 2 6 8	<b>3</b>
1 2 6	1 6 8	1 2 8	1 5 6 8	1 6 8	1 3 5 6	<b>9</b>	1 2 4 6 7 8	1 2 4 5 6 7
1 2 4 7	<b>3</b>	1 2 4 9	1 6 7	1 6 9	<b>8</b>	1 2 4 6	<b>5</b>	1 2 4 6
<b>8</b>	1 5	1 2 4	1 5 6	<b>3</b>	1 2 5 6	<b>7</b>	1 2 4 6	<b>9</b>
1 2 5 7	1 5 7 9	<b>6</b>	<b>4</b>	1 9	1 2 5 9	1 2 3	1 2 3	<b>8</b>

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#5 (ID: #159733)

SCORE: 410

STEPS: 72

Level 10

2 5 6 7	<b>9</b>	<b>3</b>	2 5 7	<b>4</b>	<b>1</b>	<b>8</b>	2 5 6 7	2 5 7
1 2 4 5 7	5 7	1 2 5 7	<b>6</b>	<b>8</b>	3 5 7	1 4 5 7	1 2 3 4 5 7	1 2 4 5 7 9
1 2 4 5 6 7	5 7 8	1 2 5 7 8	2 3 5 7	<b>9</b>	3 5 7	1 4 5 6 7	1 2 3 4 5 6 7	1 2 4 5 7
1 2 3 5 7 9	<b>6</b>	1 2 5 7 8	3 5 7 8 9	3 5 7 8 9	3 5 7 8 9	1 4 5 7	1 2 4 5 7 8	1 2 4 5 7 8
5 7 9	5 7 8	<b>4</b>	5 7 8 9	<b>1</b>	<b>2</b>	<b>3</b>	5 7 8	<b>6</b>
1 2 3 5 7	3 5 7 8	1 2 5 7 8	<b>4</b>	3 5 6 7 8	3 5 6 7 8	<b>9</b>	1 2 5 7 8	1 2 5 7 8
3 5 7	<b>4</b>	<b>6</b>	1 2 3 5 8 9	2 3 5 8 9	3 5 8 9	1 5 7	1 5 7 8	1 5 7 8
3 5	<b>2</b>	5	1 3 5 8	<b>7</b>	3 4 5 6 8	1 4 5 6	<b>9</b>	1 4 5 8
<b>8</b>	<b>1</b>	<b>9</b>	5	5 6 4 5 6	4 5 6	<b>2</b>	4 5 6 7	<b>3</b>

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#6 (ID: #164852)

SCORE: 506

STEPS: 77

Level 10

2 3 5 8	<b>9</b>	2 3 5 6 7	2 5 6	2 3 6 7	2 5 7	<b>4</b>	2 5 7 8	1 2 5 6 7 8
2 3 5 7	2 3 5 6 7	2 3 5 6 7	<b>1</b>	<b>8</b>	2 4 5 7	2 5 6 7	<b>9</b>	2 5 6 7
2 5 8	<b>1</b>	<b>4</b>	2 5 6	2 6 9	2 5 7 9	2 5 6 7 8	<b>3</b>	2 5 6 7 8
2 5	<b>4</b>	<b>8</b>	2 5 6	1 2 6 9	<b>3</b>	1 2 5 6 7 9	2 5 7	1 2 5 6 7 9
<b>6</b>	2 5	<b>1</b>	<b>7</b>	2 4 9	2 4 5 8 9	<b>3</b>	2 4 5 8	2 4 5 8 9
<b>7</b>	2 3 5	<b>9</b>	2 5 6 8	1 2 4 6	2 4 5 8	1 2 5 6 8	2 4 5 8	1 2 4 5 6 8
2 3 5 8 9	2 3 5 7 8	2 3 5 7	<b>4</b>	2	<b>6</b>	2 5 7 8 9	<b>1</b>	2 3 5 7 8 9
2 4 8 9	2 6 7 8	2 6 7	<b>3</b>	<b>5</b>	<b>1</b>	2 7 8 9	2 4 7 8	2 4 7 8 9
1 2 3 4 5 8	2 3 5 8	2 3 5	<b>9</b>	<b>7</b>	2 8	2 5 8	<b>6</b>	2 3 4 5 8

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#7 (ID: #179188)

SCORE: 535

STEPS: 75

Level 10

1 5 9	1 4 5 7	1 4	<b>6</b>	1 4 7	<b>2</b>	1 4 5	<b>3</b>	1 5 8 9
1 2 5 9	<b>8</b>	<b>6</b>	1 5 9	<b>3</b>	1 4 5	1 4 5	<b>7</b>	1 2 5 9
1 2 3 5 9	1 2 4 5 7	1 2 3 4	1 5 7 9	<b>8</b>	1 4 5 7	1 4 5 6	1 2 4 5	1 2 5 6 9
1 2 6 8	<b>9</b>	<b>5</b>	1 3 7 8	1 4 7	1 3 4 7 8	1 3 4 6 7	1 4 8	1 3 6 8
1 8	1 4	<b>7</b>	1 3 5 8	<b>6</b>	1 3 4 5 8	<b>2</b>	<b>9</b>	1 3 5 8
1 6 8	<b>3</b>	1 4 8	1 5 7 8	<b>2</b>	<b>9</b>	1 4 5 6 7	1 4 5 8	1 5 6 8
<b>7</b>	1 2	1 2 3 8	<b>4</b>	<b>5</b>	1 3 8	<b>9</b>	<b>6</b>	1 2 3
<b>4</b>	1 2 5	1 2 3 8	1 3 8 9	1 9	1 3 6 8	1 3 5	1 2 5	<b>7</b>
1 3 5	<b>6</b>	<b>9</b>	<b>2</b>	1 7	1 3 7	<b>8</b>	1 5	<b>4</b>

Techs: **Naked Single, Hidden Single, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, Grouped Turbot Crane, X-Cycle**

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#8 (ID: #179663)

SCORE: 888

STEPS: 97

Level 10

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

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



# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#10 (ID: #193075)

SCORE: 533

STEPS: 79

Level 10

<b>5</b>	<b>3</b>	<b>2</b>	1 4 7	1 4 7	<b>8</b>	<b>6</b>	<b>9</b>	1 4
1 4	<b>7</b>	<b>9</b>	1 2 4 6	<b>3</b>	1 4 5	1 2 4	1 2	<b>8</b>
<b>6</b>	1 4	1 4 8	1 2 4 7 9	1 2 4 7 9	1 4 9	<b>5</b>	1 2 3 7	1 2 3 4
<b>7</b>	<b>8</b>	1 4 6	1 3 4	1 4	<b>2</b>	1 3 4	<b>5</b>	<b>9</b>
<b>3</b>	1 4 5 6 9	1 4 5 6	1 4 8 9	1 4 5 8 9	1 4 5 9	1 2 4 8	1 2 6	<b>7</b>
<b>2</b>	1 4 5 9	1 4 5	1 3 4 7 8 9	1 4 5 7 8 9	<b>6</b>	1 3 4 8	1 3 4	1 3 4
1 4 9	1 2 4 6 9	1 3 4 6	1 2 3 4 6 9	1 2 4 6 9	<b>7</b>	1 2 3	<b>8</b>	<b>5</b>
1 8 9	1 2 5 6 9	1 3 5 6 7 8	1 2 3 6 8 9	1 2 6 8 9	1 3 9	1 2 3 7	<b>4</b>	1 2 3 6
1 4 8	1 2 4 6	1 3 4 6 7 8	<b>5</b>	1 2 4 6 8	1 3 4	<b>9</b>	1 2 3 6 7	1 2 3 6

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#11 (ID: #196307)

SCORE: 710

STEPS: 80

Level 10

2 4 6 7 9	2 4 7	2 4 6 9	<b>3</b> 4 7	4 6 8	<b>5</b> 4 7	<b>1</b> 4 6 7 9			
1 3 4 5 6 7 9	4 5 7	4 6 9	<b>8</b> 4 7	1 4	<b>2</b> 4 6 9	4 6 7 9	4 7	3 6 9	
1 2 3 4 5 6 7 8	2 4 5 7 8	2 3 4 6 8	1 4 5 7	<b>9</b> 4 5 6	1 4	2 4 6 7	4 7	2 3 4 6 7	
2 4 8 9	<b>6</b> 8 9	<b>7</b> 8 9	1 4 5 9	1 2 4	1 4 5	1 4 9	<b>3</b> 4 9	4 8 9	
4 8 9	<b>3</b> 8 9	4 8 9	1 4 7 9	<b>6</b> 4	1 4	1 4 9	<b>2</b> 4 9	<b>5</b> 4 9	
2 4 9	<b>1</b> 4 9	<b>5</b> 4 9	4 9	<b>8</b> 4	3 4	<b>7</b> 4	<b>6</b> 4	4 9	
2 4 5 6 7 8	2 4 5 7 8	2 4 6 8	1 4	<b>3</b> 4	<b>9</b> 4	1 2 4 5 6 7	1 4 7	2 4 6 7	
2 3 4 5 7 8	2 4 5 7 8	2 3 4 8	<b>6</b> 4	1 4	1 4 8	1 2 4 5 9	1 4 7 9	2 4 7 9	
4 6 <b>9</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>7</b>	<b>3</b>	<b>8</b>	4 6		

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, Turbot Fish, 3 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs, BUG (Bivalve Universal Grave)**

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#12 (ID: #203185)

SCORE: 463

STEPS: 75

Level 10

1 2 3 5 9	<b>7</b>	<b>4</b>	1 2 5 6 9	1 9	1 2 6 9	1 3 9	<b>8</b>	1 3 6 9
1 2 9	2 9	<b>6</b>	1 2 4 8 9	1 4 9	<b>3</b>	<b>7</b>	<b>5</b>	1 9
<b>8</b>	3 9	1 3 5 9	1 5 6 7 9	1 7 9	1 6 9	<b>2</b>	1 3 9	<b>4</b>
3 6 9	<b>5</b>	3 8 9	1 3 4 6 8 9	<b>2</b>	1 4 6 8 9	1 3 4 9	<b>7</b>	1 3 9
3 6 9	<b>4</b>	3 9	1 3 6 9	1 3 9	<b>7</b>	<b>8</b>	1 2 3 9	1 2 3 5 9
3 7 9	<b>1</b>	<b>2</b>	4 8 9	<b>5</b>	4 8 9	<b>6</b>	3 9	3 9
1 2 3 4 5 9	2 3 9	<b>7</b>	1 2 3 4 9	<b>8</b>	1 2 4 9	1 3 5 9	<b>6</b>	1 2 3 5 9
1 2 3 4 5 6 9	2 3 6 8 9	1 3 5 8 9	1 2 3 4 7 9	1 3 4 7 9	1 2 4 9	1 3 5 9	1 2 3 9	1 2 3 5 7 8 9
1 2 3 9	2 3 8 9	1 3 8 9	1 2 3 7 9	<b>6</b>	<b>5</b>	1 3 9	<b>4</b>	1 2 3 7 8 9

Techs: **Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Triples, XY-Wing, XYZ-Wing, VWXYZ-Wing, Skyscraper, 3 Strong Links, 4 Strong Links, Grouped Skyscraper, X-Cycle, Chute Remote Pairs**

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#13 (ID: #215174)

SCORE: 461

STEPS: 76

Level 10

<b>3</b>	<b>7</b>	1 6 9	1 2 8	<b>5</b>	1 2 9	<b>4</b>	1 2 9	1 2 9
1 8 9	1	1 9	<b>6</b>	1 2 3 8	1 2 3 4 9	1 2 3 7 9	1 2 7 9	<b>5</b>
<b>4</b>	<b>2</b>	1 5 9	1 3	<b>7</b>	1 3 9	<b>6</b>	<b>8</b>	1 3 9
1 6	<b>8</b>	1 2 4 6	1 2 4 5	<b>9</b>	1 2 4 5 6	1 2	<b>3</b>	<b>7</b>
1 6 9	1 3 6	1 2 3 7 9	1 2 3 8	1 2 3 8	1 2 3 6 6	<b>5</b>	1 2 6 9	<b>4</b>
<b>5</b>	1 3 4 6	1 2 3 4 6 9	<b>7</b>	1 2 3 6 8	1 2 3 4 6	1 2 8 9	1 2 6 9	1 2 6 8 9
1 6	1 3 4 5 6	<b>8</b>	1 2 3 5	1 2 3 6	1 2 3 5 6 7	1 2 3 7 9	1 2 4 5 6 7 9	1 2 3 6 9
<b>2</b>	1 3 5 6	1 3 5 6	<b>9</b>	<b>4</b>	1 3 5 6 7	1 3 7 8	1 5 6 7	1 3 6 8
<b>7</b>	<b>9</b>	1 3 4 5 6	1 2 3 5	1 2 3 6	<b>8</b>	1 2 3	1 2 4 5 6	1 2 3 6

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#14 (ID: #217528)

SCORE: 568

STEPS: 85

Level 10

2 4 5 6 7 8	2 4 5 6 8	2 4 5 8 9	2 3 6 7 8	2 3 8	<b>1</b>	2 3 4 6 9	2 3 4 5 9	2 4 5 6
1 2 5 6	2 5 6	1 2 5	<b>4</b>	<b>9</b>	2 3 6	<b>8</b>	2 3 5	<b>7</b>
1 2 4 6 7 8	<b>3</b>	1 2 4 8 9	<b>5</b>	2 8	2 6 7	1 2 4 6 9	2 4 9	1 2 4 6
1 2 3 4 8	2 4 8	<b>7</b>	2 3 6 8 9	2 3 4 8	2 3 4 6	<b>5</b>	2 3 4	1 2 4
<b>9</b>	2 4	2 3 4	2 3	<b>1</b>	<b>5</b>	2 3 4 7	<b>6</b>	<b>8</b>
1 2 3 4 5 8	2 4 5 8	<b>6</b>	2 3 8	<b>7</b>	2 3 4	1 2 3 4 4	2 3 4	<b>9</b>
2 3 4 5 6 8	<b>7</b>	2 3 4 5 8	1 2 3	2 3 4 5 4	2 3	2 4 6 9	2 4 5 8 9	2 4 5 6
2 4 5	<b>9</b>	2 4 5	2 7	<b>6</b>	<b>8</b>	2 4 7	<b>1</b>	<b>3</b>
2 3 4 5 6 8	<b>1</b>	2 3 4 5 8	2 3 7	2 3 4 5	<b>9</b>	2 4 6 7	2 4 5 7 8	2 4 5 6

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#15 (ID: #223341)

SCORE: 610

STEPS: 85

Level 10

1 4 9	1 4 9	<b>3</b>	2 4 8 9	<b>5</b>	1 4 9	2 8 9	<b>7</b>	1 6 8 9
1 4 7 9	1 4 9	<b>8</b>	<b>6</b>	1 2 4 9	<b>3</b>	2 5 9	1 2 4 5 9	1 5 9
1 4 9	<b>5</b>	<b>2</b>	4 8 9	1 4 8 9	<b>7</b>	3 8 9	1 4 6 9	1 3 6 8 9
2 3 5 6 7 9	2 3 6 9	<b>1</b>	3 5 7 8 9	3 6 7 8 9	5 6 9	<b>4</b>	2 5 9	5 9
<b>8</b>	4 9	4 5 7 9	4 5 7 9	1 4 7 9	<b>2</b>	<b>6</b>	<b>3</b>	1 5 9
2 3 4 5 6 9	2 3 4 6 9	4 5 9	3 4 5 9	1 3 4 6 9	1 4 5 6 9	2 5 9	<b>8</b>	<b>7</b>
2 3 5 9	2 3 9	5 9	2 3 5 7 9	2 3 6 7 9	<b>8</b>	<b>1</b>	5 6 9	<b>4</b>
1 3 4 5 9	<b>7</b>	4 5 9	3 4 5 9	3 4 6 9	4 5 6 9	3 5 8 9	5 6 9	<b>2</b>
2 3 4 5 9	2 3 4 8 9	<b>6</b>	<b>1</b>	2 3 4 7 9	4 5 9	3 5 7 8 9	5 9	3 5 8 9

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, Chute Remote Pairs**

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#16 (ID: #242895)

SCORE: 565

STEPS: 81

Level 10

3 5 6 9	<b>4</b>	3 5 7 9	2 3 5 6	<b>1</b>	<b>8</b>	3 5 6 7 9	3 5 6 7 9	3 5 6 7 9
<b>2</b>	3 5 6	<b>1</b>	<b>7</b>	4 5 6	<b>9</b>	3 4 5 6 8	3 5 6 4 5 6 8	3 4 5 6 8
3 5 6 9	3 5 6 7 9	3 5 7 8 9	3 5 6 4 5 6	3 4 5 6 5 6	3 5 6	1 3 4 5 6 8	<b>2</b>	3 4 5 6 7 8 9
3 5 9	3 5 9	2 3 5 9	2 3 5 6 8 9	2 5 6 8 9	3 5 6 7	3 5 6	<b>4</b>	<b>1</b>
3 4 5 9	1 3 5 9	<b>6</b>	1 2 3 5 9	2 5 9	1 3 5	<b>7</b>	<b>8</b>	3 5
<b>7</b>	<b>8</b>	3 5	<b>4</b>	5 6	1 3 5 6	<b>9</b>	3 5 6	<b>2</b>
4 5 6 9	5 6 7 9	4 5 7 9	1 5 6 8 9	<b>3</b>	1 5 6	1 2 4 5 6 8	1 5 6 7 9	4 5 6 7 8 9
<b>1</b>	3 5 6 7 9	3 4 5 7 9	5 6 8 9	5 6 8 9	<b>2</b>	3 4 5 6 8	3 5 6 7 9	3 4 5 6 7 8 9
<b>8</b>	<b>2</b>	3 5 9	1 5 6 9	<b>7</b>	<b>4</b>	1 3 5 6	1 3 5 6 9	3 5 6 9

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#17 (ID: #244107)

SCORE: 647

STEPS: 83

Level 10

1 2 8 9	1 2 5 6 9	<b>3</b>	5 8 9	2 5 6 8 9	8 9	<b>4</b>	2 9	<b>7</b>
2 4 9	<b>7</b>	2 9	3 4 9	2 4 9	<b>1</b>	<b>6</b>	<b>5</b>	<b>8</b>
2 4 8 9	2 4 5 6 9	2 6 8 9	3 4 5 8 9	2 4 5 6 7 8 9	3 4 7 8 9	2 9	2 3 9	<b>1</b>
1 2 3 9	1 2 9	<b>5</b>	1 3 8 9	1 8 9	<b>6</b>	1 2 7 8 9	1 2 7 8 9	<b>4</b>
<b>6</b>	1 2 4 9	2 9	<b>7</b>	1 4 8 9	3 4 8 9	1 2 5 8 9	1 2 8 9	2 5 9
1 4 9	<b>8</b>	7 9	<b>2</b>	1 4 9	<b>5</b>	<b>3</b>	1 7 9	<b>6</b>
<b>7</b>	2 9	<b>1</b>	<b>6</b>	4 5 8 9	4 8 9	2 5 8 9	2 3 4 8 9	2 3 5 9
2 8 9	2 6 9	2 6 8 9	1 4 5 8 9	<b>3</b>	4 7 8 9	1 2 5 7 8 9	1 2 4 6 7 8 9	2 5 9
<b>5</b>	<b>3</b>	<b>4</b>	1 8 9	1 7 8 9	<b>2</b>	1 7 8 9	1 6 7 8 9	9

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, WXYZ-Wing, Turbot Fish, 3 Strong Links, 4 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs**

💡 Stuck? Enter the Puzzle ID at [sodukupuzzle.org](http://sodukupuzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#18 (ID: #247872)

SCORE: 557

STEPS: 81

Level 10

<b>4</b>	1 3 6 6 7 9 7	3 6	2 3 5 6 7	3 5 6 7 9 7	2 3 7 9	2 3 5	<b>8</b>	1 2 3 5 6 7 9
3 7 8	3 6 7 8 9	<b>2</b>	<b>1</b>	4 5 6 7 8 9	4 7 9	4 5 7 9	3 5 6 7 9	3 4 5 6 7 9
3 7 8	<b>5</b>	3 6 7 8	2 3 4 6 7	3 4 6 7 8 9	2 3 4 7 9	2 3 4 7 9	2 3 6 7 9	1 2 3 4 6 7 9
<b>1</b>	2 3 4 7 8	3 4 7 8	3 4 6 7 9	3 4 6 9	<b>8</b>	<b>7</b>	2 3 5 9	2 3 4 5 9
<b>6</b>	3 7 8	3 4 7 8	3 4 7	<b>2</b>	<b>5</b>	<b>1</b>	3 9	3 4 8 9
3 5 7 8	2 3 7 8	<b>9</b>	3 4 7	1 3 4 7	3 4 7	<b>6</b>	2 3 5	2 3 4 5 8
3 7 8	<b>4</b>	<b>5</b>	<b>9</b>	3 7	<b>1</b>	2 3 8 7	2 3 6 7 8	2 3 6 7 8
<b>2</b>	3 6 7	3 6 7	<b>8</b>	4 5 7	3 4 7	<b>9</b>	<b>1</b>	3 5 6 7
<b>9</b>	3 7 8	<b>1</b>	2 3 5 7	3 5 7	<b>6</b>	2 3 5 8	<b>4</b>	2 3 5 7 8

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#19 (ID: #250356)

SCORE: 993

STEPS: 107

Level 10

3 4 7	3 5 6 7 8 9	<b>2</b>	1 3 4 7 8	1 3 7 8	4 7 8	1 3 5 7 9	1 7 9	1 5 7 9
<b>1</b>	3 5 7 9	5 7 9	<b>6</b>	2 3 7	2 7	<b>4</b>	<b>8</b>	5 7 9
3 4 7	3 7 8	4 7 8	<b>5</b>	<b>9</b>	2 4 7 8	<b>6</b>	1 2 7	1 7
<b>5</b>	2 6 7 9	6 7 9	2 7 8	<b>4</b>	<b>1</b>	7 8 9 7 9	6 7 9	<b>3</b>
<b>8</b>	1 6 7	<b>3</b>	<b>9</b>	5 6 7	6 7	1 7	1 4 6 7	<b>2</b>
2 4 7	1 2 6 7 9	1 4 7 9	2 3 7 8	2 3 6 7 8	2 6 7 8	1 7 8 9	<b>5</b>	1 4 7 8 9
3 7 9	<b>4</b>	1 7 8 9	1 7 8	1 7 8	<b>5</b>	<b>2</b>	1 7 9	<b>6</b>
2 6 7 9	1 2 5 6 7 8 9	1 5 6 7 8 9	1 2 4 7 8	1 2 6 7 8	<b>3</b>	1 5 7 8 9	1 4 7 9	1 4 5 7 8 9
2 6 7 9	1 2 5 6 7 8 9	1 5 6 7 8 9	1 2 4 7 8	1 2 6 7 8	2 4 6 7 8 9	1 5 7 8 9	<b>3</b>	1 4 5 7 8 9

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, WXYZ-Wing, 2-String Kite, XY-Chain, X-Cycle, Unique Rectangle Type 4**

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#20 (ID: #250598)

SCORE: 515

STEPS: 80

Level 10

<b>1</b>	<b>8</b>	<b>9</b>	<b>2</b>	4 5 7	<b>3</b>	4 5 6 7	4 5 7	4 5 6 7
<b>4</b>	2 7	<b>3</b>	1 5 6 7 9	1 5 7 9	1 6 7 8 9	1 2 5 6 7 8	1 5 7 9	1 5 6 7 8 9
2 5 7	<b>6</b>	5 7	1 5 7 9	1 4 5 7 9	1 4 7 8 9	1 2 4 5 7 8	1 3 4 5 7 9	1 3 4 5 7 8 9
3 5 7	1 3 4 7	1 4 5 7	1 3 4 7 9	1 2 4 7 9	1 4 7 9	1 4 5 6 7 8	1 4 5 7 9	1 4 5 6 7 8 9
<b>8</b>	1 3 4 7	<b>6</b>	1 3 4 7 9	1 4 7 9	<b>5</b>	1 4 7	<b>2</b>	1 4 7 9
5 7	<b>9</b>	<b>2</b>	<b>8</b>	<b>6</b>	1 4 7	<b>3</b>	1 4 5 7	1 4 5 7
3 6 7	<b>5</b>	1 4 7	1 6 7	1 7	<b>2</b>	<b>9</b>	<b>8</b>	1 3 4 7
2 3 6 7 9	1 2 3 7	1 7	<b>4</b>	<b>8</b>	1 6 7 9	1 5 7	1 3 5 7	1 3 5 7
	1 4 7 9	1 4 7 8	1 5 7 9	<b>3</b>	1 7 9	1 4 5 7	<b>6</b>	<b>2</b>

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, X-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, X-Cycle, Unique Rectangle Type 3, Unique Rectangle Type 4, BUG (Bivalve Universal Grave)**

💡 Stuck? Enter the Puzzle ID at [sodokupuzzle.org](http://sodokupuzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#21 (ID: #254534)

SCORE: 552

STEPS: 82

Level 10

1 4 8 9	1 3 4 7 8 9	1 3 4 7 8 9	1 4 5 6	1 4 5 8	1 4 5	<b>2</b>	1 4 5 7	1 3 4 7
<b>6</b>	<b>5</b>	2 4 7 8	1 2 4	<b>9</b>	1 2 4	1 4 7 8	1 4 7	1 3 4 7
1 4 8	1 2 4 8	2 4 8	1 2 4 5	<b>3</b>	<b>7</b>	1 4 5 8	<b>6</b>	<b>9</b>
1 4 9	1 2 4 7 9	<b>3</b>	<b>8</b>	<b>6</b>	1 4 5 9	1 4 5 7 9	1 2 4 5 7 9	1 4 7
1 4 9	1 4 6 7 9	4 5 6 7 9	1 4 5 7	<b>2</b>	1 3 4 5 9	1 4 5 6 7 9	1 4 5 7 9	<b>8</b>
1 4 8 9	1 2 4 6 7 8 9	2 4 5 6 7 8 9	1 4 5 7	1 4 5	1 4 5 9	1 4 5 6 7 9	<b>3</b>	1 4 6 7
<b>5</b>	4 6 9	4 6 9	<b>3</b>	<b>7</b>	1 4	1 4 6 9	<b>8</b>	<b>2</b>
<b>7</b>	4 6 9	<b>1</b>	2 4 5	4 5	<b>8</b>	<b>3</b>	4 9	4 6
<b>2</b>	4 3 8	4 8	<b>9</b>	1 4	<b>6</b>	1 4 7	1 4 7	<b>5</b>

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

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#22 (ID: #258280)

SCORE: 534

STEPS: 78

Level 10

<b>7</b>	<b>3</b>	<b>6</b>	<b>8</b>	1 2 5	1	2 5	2	<b>4</b>
<b>4</b>	8 9	5 8 9	3 5 9	2 3 5 6 9	3	<b>7</b>	<b>1</b>	2 5 6 9
<b>1</b>	<b>2</b>	5 9	3 5 9	3 4 5 6 7 9	3 4 6 7 9	3 5 6 9	3	<b>8</b>
3 5 8 9	1 7 8 9	1 3 4 5 7 8 9	<b>2</b>	1 3 6 7 8 9	1 3 6 7 8 9	1 4 5 6 9	8 9	5 6 9
2 8 9	1 7 8 9	1 2 7 8 9	<b>4</b>	1 6 7 8 9	<b>5</b>	1 2 6 9	2 8 9	<b>3</b>
2 3 5 8 9	<b>6</b>	1 2 3 4 5 8 9	1 3 9	1 3 8 9	1 3 8 9	1 2 4 5 9	<b>7</b>	2 5 9
2 3 6 8 9	1 7 8 9	1 2 3 7 8 9	1 3 9	1 3 4 8 9	1 3 4 8 9	2 3 9	<b>5</b>	2 7 9
2 3 9	<b>4</b>	1 2 3 9	<b>7</b>	1 3 5 9	1 3 9	<b>8</b>	<b>6</b>	2 9
3 8 9	<b>5</b>	3 7 8 9	<b>6</b>	3 8 9	<b>2</b>	3 9	<b>4</b>	<b>1</b>

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

💡 Stuck? Enter the Puzzle ID at [sodukupuzzle.org](http://sodukupuzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#23 (ID: #262843)

SCORE: 972

STEPS: 105

Level 10

<b>5</b>	<b>9</b>	1 3 6 7	1 2 6 7	1 2 3 6 7 8	1 2 3 6 7	<b>4</b>	1 2 6 7	1 2 7 8
1 3 4	1 4 6 7	<b>2</b>	1 4 5 6 7	1 3 4 5 6 7 8	1 3 6 7	1 5 6 8	<b>9</b>	1 5 7 8
1 4	1 4 6 7	<b>8</b>	1 2 4 5 6 7	1 2 4 5 6 7 9	1 2 6 7 9	1 2 5 6 7	1 2 6	<b>3</b>
<b>2</b>	1 5 6	1 3 6	<b>9</b>	1 3 6 7	<b>8</b>	1 3 5 7	1 3	<b>4</b>
<b>7</b>	1 4 5	1 3 4 9	1 2 4	1 2 3 4	1 2 3	1 2 3 5 9	<b>8</b>	<b>6</b>
1 3 4	1 4 6 8 9	1 3 4 6 9	1 2 4 6 7	1 2 3 4 6 7	<b>5</b>	1 2 3 9	1 2 3 7	1 2 7
<b>6</b>	<b>3</b>	1 4 9	1 2 5	1 2 5 9	1 2 9	<b>7</b>	1 2 4	1 2 8
1 4 8	1 2 4 7 8	1 4 7	<b>3</b>	1 2 6 7	1 2 6 7	1 2 6 8	<b>5</b>	<b>9</b>
1 9	1 2 7	<b>5</b>	<b>8</b>	1 2 6 7 9	<b>4</b>	1 2 3 6	1 2 3 6	1 2

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, 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](http://sudoku-puzzle.org) for step-by-step logical hints.

# X-CYCLE PRACTICE SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#24 (ID: #265483)

SCORE: 491

STEPS: 80

Level 10

2 7	1 2 7 9	1 7 9	<b>5</b>	1 4 7 9	<b>8</b>	<b>6</b>	2 3 4 7	1 2 3 7 9
<b>4</b>	1 2 5 6 7 9	1 5 7 8 9	1 7	1 7 9	1 3 7	1 3 5 7 8	2 3 5 7 8	1 2 3 5 7 8 9
5 7 8	1 5 7 9	<b>3</b>	<b>2</b>	<b>6</b>	1 4 7	1 4 5 7 8	4 5 7 8	1 5 7 8 9
<b>9</b>	2 5 7	5 7	1 6 7	<b>3</b>	1 2 5 6 7	1 5 7 8	5 7 8	<b>4</b>
<b>1</b>	2 4 5 7	<b>6</b>	4 7	2 4 7 8	2 4 5 7	3 5 7 8	<b>9</b>	3 5 7 8
3 5 7	<b>8</b>	4 5 7	<b>9</b>	1 4 7	1 4 5 6 7	<b>2</b>	3 5 7	1 3 5 6 7
5 6 7 8	1 4 5 6 7	<b>2</b>	1 4 6 7	1 4 7	<b>9</b>	3 4 5 7 8	3 4 5 7 8	3 5 7 8
5 7	<b>3</b>	1 4 5 7	<b>8</b>	1 2 4 7	1 2 4 7	<b>9</b>	<b>6</b>	2 5 7
6 7 8	4 6 7 9	4 7 8 9	<b>3</b>	<b>5</b>	2 4 6 7	4 7 8	<b>1</b>	2 7 8

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, 4 Strong Links, X-Cycle, Chute Remote Pairs, Unique Rectangle Type 1**

💡 Stuck? Enter the Puzzle ID at [sudoku puzzle.org](http://sudoku puzzle.org) for step-by-step logical hints.

# CLASSIC SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | With Candidates | [sudokuprintout.com](http://sudokuprintout.com)

#1 (ID: #146074)

3	1	7	<b>8</b>	6	4	<b>2</b>	9	5
9	<b>5</b>	4	1	<b>7</b>	<b>2</b>	6	8	3
8	6	2	<b>3</b>	<b>5</b>	9	4	7	1
7	3	5	<b>6</b>	4	8	1	2	<b>9</b>
<b>4</b>	<b>8</b>	9	2	3	1	7	5	6
1	2	<b>6</b>	5	9	<b>7</b>	<b>3</b>	<b>4</b>	8
2	9	<b>3</b>	4	8	<b>6</b>	5	1	<b>7</b>
6	<b>7</b>	1	<b>9</b>	<b>2</b>	5	<b>8</b>	3	4
5	4	<b>8</b>	7	1	<b>3</b>	9	<b>6</b>	2

#2 (ID: #154821)

<b>1</b>	3	8	7	4	6	5	2	<b>9</b>
6	<b>7</b>	<b>2</b>	9	5	8	<b>4</b>	1	3
<b>5</b>	9	<b>4</b>	3	1	2	<b>7</b>	8	6
<b>9</b>	4	1	<b>5</b>	<b>6</b>	3	8	7	<b>2</b>
8	6	<b>5</b>	<b>1</b>	2	<b>7</b>	<b>9</b>	3	4
3	<b>2</b>	7	8	9	<b>4</b>	6	5	<b>1</b>
2	<b>8</b>	<b>9</b>	<b>4</b>	3	5	<b>1</b>	6	7
4	5	3	6	7	1	<b>2</b>	9	8
7	1	<b>6</b>	2	<b>8</b>	9	3	4	5

#3 (ID: #156548)

6	4	<b>7</b>	5	3	<b>8</b>	<b>9</b>	2	1
9	<b>5</b>	<b>1</b>	4	<b>2</b>	<b>7</b>	<b>8</b>	3	6
<b>3</b>	8	2	1	<b>9</b>	6	4	<b>5</b>	<b>7</b>
2	6	<b>9</b>	3	7	1	5	8	<b>4</b>
8	<b>7</b>	<b>4</b>	6	<b>5</b>	<b>2</b>	<b>3</b>	<b>1</b>	<b>9</b>
<b>5</b>	1	3	9	8	4	7	6	2
<b>1</b>	2	<b>5</b>	7	<b>4</b>	3	6	9	8
<b>4</b>	9	<b>8</b>	2	6	<b>5</b>	1	<b>7</b>	3
7	3	6	8	1	9	2	4	5

#4 (ID: #158168)

4	7	3	<b>9</b>	<b>2</b>	1	5	8	6
5	<b>2</b>	1	6	8	<b>7</b>	3	9	4
<b>9</b>	6	8	<b>3</b>	<b>5</b>	<b>4</b>	1	7	2
<b>3</b>	9	<b>7</b>	<b>2</b>	<b>4</b>	6	8	1	5
1	<b>4</b>	<b>5</b>	8	<b>7</b>	9	6	2	<b>3</b>
6	8	2	5	1	3	<b>9</b>	4	7
2	<b>3</b>	9	7	6	<b>8</b>	4	<b>5</b>	1
<b>8</b>	5	4	1	<b>3</b>	2	<b>7</b>	6	<b>9</b>
7	1	<b>6</b>	<b>4</b>	9	5	2	3	<b>8</b>

#5 (ID: #159733)

2	<b>9</b>	<b>3</b>	7	<b>4</b>	<b>1</b>	<b>8</b>	6	5
4	5	1	<b>6</b>	<b>8</b>	3	7	2	9
6	8	7	2	<b>9</b>	5	4	3	1
5	<b>6</b>	8	9	3	7	1	4	2
9	7	<b>4</b>	8	<b>1</b>	<b>2</b>	<b>3</b>	5	<b>6</b>
1	3	2	<b>4</b>	5	6	<b>9</b>	8	7
7	<b>4</b>	<b>6</b>	3	2	9	5	1	8
3	<b>2</b>	5	1	<b>7</b>	8	6	<b>9</b>	4
<b>8</b>	<b>1</b>	<b>9</b>	5	6	4	<b>2</b>	7	<b>3</b>

#6 (ID: #164852)

2	<b>9</b>	6	5	3	7	<b>4</b>	8	1
3	7	5	<b>1</b>	<b>8</b>	4	6	<b>9</b>	2
8	<b>1</b>	<b>4</b>	2	6	9	7	<b>3</b>	5
5	<b>4</b>	<b>8</b>	6	1	<b>3</b>	9	2	7
<b>6</b>	2	<b>1</b>	<b>7</b>	9	5	<b>3</b>	4	8
<b>7</b>	3	<b>9</b>	8	4	2	1	5	6
9	8	7	<b>4</b>	2	<b>6</b>	5	<b>1</b>	3
4	6	2	<b>3</b>	<b>5</b>	<b>1</b>	8	7	9
1	5	3	<b>9</b>	<b>7</b>	8	2	<b>6</b>	4

#7 (ID: #179188)

9	7	4	<b>6</b>	1	<b>2</b>	5	<b>3</b>	8
1	<b>8</b>	<b>6</b>	9	<b>3</b>	5	4	<b>7</b>	2
5	2	3	7	<b>8</b>	4	6	1	9
2	<b>9</b>	<b>5</b>	1	4	7	3	8	6
8	4	<b>7</b>	5	<b>6</b>	3	<b>2</b>	<b>9</b>	1
6	<b>3</b>	1	8	<b>2</b>	<b>9</b>	7	4	5
<b>7</b>	1	2	<b>4</b>	<b>5</b>	8	<b>9</b>	<b>6</b>	3
<b>4</b>	5	8	3	9	6	1	2	<b>7</b>
3	<b>6</b>	<b>9</b>	<b>2</b>	7	1	<b>8</b>	5	<b>4</b>

#8 (ID: #179663)

7	1	5	<b>2</b>	3	4	6	8	<b>9</b>
2	<b>6</b>	8	7	9	5	3	1	<b>4</b>
4	9	3	<b>8</b>	6	<b>1</b>	<b>7</b>	2	5
8	7	<b>2</b>	6	1	<b>9</b>	4	5	3
<b>6</b>	5	4	3	<b>8</b>	<b>7</b>	2	9	1
<b>1</b>	3	<b>9</b>	<b>5</b>	4	<b>2</b>	<b>8</b>	6	<b>7</b>
3	4	6	9	5	8	<b>1</b>	<b>7</b>	2
<b>5</b>	8	7	1	2	3	9	<b>4</b>	6
<b>9</b>	2	<b>1</b>	4	7	6	<b>5</b>	3	<b>8</b>

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#9 (ID: #185659)

3	<b>7</b>	5	4	8	<b>2</b>	<b>1</b>	6	9
6	<b>4</b>	1	5	<b>3</b>	9	8	2	7
<b>2</b>	9	8	<b>7</b>	1	6	3	4	5
<b>5</b>	<b>1</b>	9	8	<b>4</b>	7	<b>2</b>	3	6
<b>4</b>	8	2	<b>6</b>	<b>5</b>	3	9	<b>7</b>	1
7	3	6	2	9	<b>1</b>	<b>4</b>	5	8
9	2	4	<b>1</b>	<b>7</b>	5	<b>6</b>	<b>8</b>	3
1	6	<b>7</b>	<b>3</b>	2	<b>8</b>	5	9	4
8	5	3	9	6	<b>4</b>	7	1	<b>2</b>

#10 (ID: #193075)

<b>5</b>	<b>3</b>	<b>2</b>	1	7	<b>8</b>	<b>6</b>	<b>9</b>	4
4	<b>7</b>	<b>9</b>	6	<b>3</b>	5	1	2	<b>8</b>
<b>6</b>	1	8	4	2	9	<b>5</b>	7	3
<b>7</b>	<b>8</b>	6	3	1	<b>2</b>	4	<b>5</b>	<b>9</b>
<b>3</b>	9	1	8	5	4	2	6	<b>7</b>
<b>2</b>	4	5	7	9	<b>6</b>	8	3	1
1	2	4	9	6	<b>7</b>	3	<b>8</b>	<b>5</b>
9	5	3	2	8	1	7	<b>4</b>	6
8	6	7	<b>5</b>	4	3	<b>9</b>	1	2

#11 (ID: #196307)

7	2	9	<b>3</b>	4	6	<b>8</b>	<b>5</b>	<b>1</b>
1	5	6	<b>8</b>	7	<b>2</b>	4	9	3
3	4	8	1	<b>9</b>	5	6	7	2
9	<b>6</b>	<b>7</b>	5	2	4	1	<b>3</b>	8
8	<b>3</b>	4	7	<b>6</b>	1	9	<b>2</b>	<b>5</b>
2	<b>1</b>	<b>5</b>	9	<b>8</b>	3	<b>7</b>	<b>6</b>	4
6	8	2	4	<b>3</b>	<b>9</b>	5	1	7
5	7	3	<b>6</b>	1	8	2	4	9
4	<b>9</b>	<b>1</b>	<b>2</b>	<b>5</b>	<b>7</b>	<b>3</b>	<b>8</b>	6

#12 (ID: #203185)

9	<b>7</b>	<b>4</b>	5	1	2	3	<b>8</b>	6
1	2	<b>6</b>	8	4	<b>3</b>	<b>7</b>	<b>5</b>	9
<b>8</b>	3	5	7	9	6	<b>2</b>	1	<b>4</b>
3	<b>5</b>	8	6	<b>2</b>	9	4	<b>7</b>	1
6	<b>4</b>	9	1	3	<b>7</b>	<b>8</b>	2	5
7	<b>1</b>	<b>2</b>	4	<b>5</b>	8	<b>6</b>	9	3
4	9	<b>7</b>	3	<b>8</b>	1	5	<b>6</b>	2
5	6	1	2	7	4	9	3	8
2	8	3	9	<b>6</b>	<b>5</b>	1	<b>4</b>	7

#13 (ID: #215174)

<b>3</b>	<b>7</b>	6	8	<b>5</b>	2	<b>4</b>	9	1
8	1	9	<b>6</b>	3	4	7	2	<b>5</b>
<b>4</b>	<b>2</b>	5	1	<b>7</b>	9	<b>6</b>	<b>8</b>	3
6	<b>8</b>	1	4	<b>9</b>	5	2	<b>3</b>	<b>7</b>
9	3	7	2	8	6	<b>5</b>	1	<b>4</b>
<b>5</b>	4	2	<b>7</b>	1	3	9	6	8
1	6	<b>8</b>	5	2	7	3	4	9
<b>2</b>	5	3	<b>9</b>	<b>4</b>	1	8	7	6
<b>7</b>	<b>9</b>	4	3	6	<b>8</b>	1	5	2

#14 (ID: #217528)

7	2	9	6	8	<b>1</b>	3	5	4
5	6	1	<b>4</b>	<b>9</b>	3	<b>8</b>	2	<b>7</b>
8	<b>3</b>	4	<b>5</b>	2	7	6	9	1
1	8	<b>7</b>	9	4	6	<b>5</b>	3	2
<b>9</b>	4	2	3	<b>1</b>	<b>5</b>	7	<b>6</b>	<b>8</b>
3	5	<b>6</b>	8	<b>7</b>	2	1	4	<b>9</b>
2	<b>7</b>	3	1	5	4	9	8	6
4	<b>9</b>	5	7	<b>6</b>	<b>8</b>	2	<b>1</b>	<b>3</b>
6	<b>1</b>	8	2	3	<b>9</b>	4	7	5

#15 (ID: #223341)

6	4	<b>3</b>	2	<b>5</b>	1	9	<b>7</b>	8
7	1	<b>8</b>	<b>6</b>	9	<b>3</b>	2	4	5
9	<b>5</b>	<b>2</b>	4	8	<b>7</b>	3	1	6
5	3	<b>1</b>	8	7	6	<b>4</b>	2	9
<b>8</b>	9	7	5	4	<b>2</b>	<b>6</b>	<b>3</b>	1
2	6	4	3	1	9	5	<b>8</b>	<b>7</b>
3	2	9	7	6	<b>8</b>	<b>1</b>	5	<b>4</b>
1	<b>7</b>	5	9	3	4	8	6	<b>2</b>
4	8	<b>6</b>	<b>1</b>	2	5	7	9	3

#16 (ID: #242895)

6	<b>4</b>	9	2	<b>1</b>	<b>8</b>	3	5	7
<b>2</b>	3	<b>1</b>	<b>7</b>	5	<b>9</b>	4	6	8
5	7	8	3	4	6	1	<b>2</b>	9
3	9	2	5	8	7	6	<b>4</b>	<b>1</b>
4	1	<b>6</b>	9	2	3	<b>7</b>	<b>8</b>	5
<b>7</b>	<b>8</b>	5	<b>4</b>	6	1	<b>9</b>	3	<b>2</b>
9	6	7	8	<b>3</b>	5	2	1	4
<b>1</b>	5	4	6	9	<b>2</b>	8	7	3
<b>8</b>	<b>2</b>	3	1	<b>7</b>	<b>4</b>	5	9	6

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#17 (ID: #244107)

9	1	<b>3</b>	5	6	8	<b>4</b>	2	<b>7</b>
4	<b>7</b>	2	3	9	<b>1</b>	<b>6</b>	<b>5</b>	<b>8</b>
8	5	6	4	2	7	9	3	<b>1</b>
3	2	<b>5</b>	9	1	<b>6</b>	8	7	<b>4</b>
<b>6</b>	4	9	<b>7</b>	8	3	5	1	2
1	<b>8</b>	7	<b>2</b>	4	<b>5</b>	<b>3</b>	9	<b>6</b>
<b>7</b>	9	<b>1</b>	<b>6</b>	5	4	2	8	3
2	6	8	1	<b>3</b>	9	7	4	5
<b>5</b>	<b>3</b>	<b>4</b>	8	7	<b>2</b>	1	6	9

#18 (ID: #247872)

<b>4</b>	1	7	5	6	2	3	<b>8</b>	9
3	9	<b>2</b>	<b>1</b>	8	7	4	5	6
8	<b>5</b>	6	3	4	9	2	7	1
<b>1</b>	2	4	6	9	<b>8</b>	<b>7</b>	3	5
<b>6</b>	3	8	7	<b>2</b>	<b>5</b>	<b>1</b>	9	4
5	7	<b>9</b>	4	1	3	<b>6</b>	2	8
7	<b>4</b>	<b>5</b>	<b>9</b>	3	<b>1</b>	8	6	2
<b>2</b>	6	3	<b>8</b>	5	4	<b>9</b>	<b>1</b>	7
<b>9</b>	8	<b>1</b>	2	7	<b>6</b>	5	<b>4</b>	3

#19 (ID: #250356)

9	6	<b>2</b>	1	8	4	3	7	5
<b>1</b>	5	7	<b>6</b>	3	2	<b>4</b>	<b>8</b>	9
4	3	8	<b>5</b>	<b>9</b>	7	<b>6</b>	2	1
<b>5</b>	2	9	7	<b>4</b>	<b>1</b>	8	6	<b>3</b>
<b>8</b>	7	<b>3</b>	<b>9</b>	5	6	1	4	<b>2</b>
6	1	4	3	2	8	9	<b>5</b>	7
3	<b>4</b>	1	8	7	<b>5</b>	<b>2</b>	9	<b>6</b>
2	9	5	4	6	<b>3</b>	7	1	8
7	8	6	2	1	9	5	<b>3</b>	4

#20 (ID: #250598)

<b>1</b>	<b>8</b>	<b>9</b>	<b>2</b>	7	<b>3</b>	6	4	5
<b>4</b>	7	<b>3</b>	9	5	6	2	1	8
2	<b>6</b>	5	1	4	8	7	3	9
5	3	4	7	2	1	8	9	6
<b>8</b>	1	<b>6</b>	3	9	<b>5</b>	4	<b>2</b>	7
7	<b>9</b>	<b>2</b>	<b>8</b>	<b>6</b>	4	<b>3</b>	5	1
3	<b>5</b>	7	6	1	<b>2</b>	<b>9</b>	<b>8</b>	4
6	2	1	<b>4</b>	<b>8</b>	9	5	7	3
9	4	8	5	<b>3</b>	7	1	<b>6</b>	<b>2</b>

#21 (ID: #254534)

3	1	9	6	8	4	<b>2</b>	5	7
<b>6</b>	<b>5</b>	7	1	<b>9</b>	2	8	4	3
8	2	4	5	<b>3</b>	<b>7</b>	1	<b>6</b>	<b>9</b>
4	7	<b>3</b>	<b>8</b>	<b>6</b>	9	5	2	1
1	6	5	4	<b>2</b>	3	9	7	<b>8</b>
9	8	2	7	1	5	6	<b>3</b>	4
<b>5</b>	9	6	<b>3</b>	<b>7</b>	1	4	<b>8</b>	<b>2</b>
<b>7</b>	4	<b>1</b>	2	5	<b>8</b>	<b>3</b>	9	6
<b>2</b>	3	8	<b>9</b>	4	<b>6</b>	7	1	<b>5</b>

#22 (ID: #258280)

<b>7</b>	<b>3</b>	<b>6</b>	<b>8</b>	1	9	5	2	<b>4</b>
<b>4</b>	8	5	3	2	6	<b>7</b>	<b>1</b>	9
<b>1</b>	<b>2</b>	9	5	4	7	6	3	<b>8</b>
5	9	1	<b>2</b>	7	3	4	8	6
2	7	8	<b>4</b>	6	<b>5</b>	1	9	<b>3</b>
3	<b>6</b>	4	1	9	8	2	<b>7</b>	5
6	1	2	9	8	4	3	<b>5</b>	7
9	<b>4</b>	3	<b>7</b>	5	1	<b>8</b>	<b>6</b>	2
8	<b>5</b>	7	<b>6</b>	3	<b>2</b>	9	<b>4</b>	<b>1</b>

#23 (ID: #262843)

<b>5</b>	<b>9</b>	3	1	8	2	<b>4</b>	6	7
1	7	<b>2</b>	6	4	3	8	<b>9</b>	5
4	6	<b>8</b>	5	9	7	1	2	<b>3</b>
<b>2</b>	1	6	<b>9</b>	3	<b>8</b>	5	7	<b>4</b>
<b>7</b>	5	9	4	2	1	3	<b>8</b>	<b>6</b>
3	8	4	7	6	<b>5</b>	9	1	2
<b>6</b>	<b>3</b>	1	2	5	9	<b>7</b>	4	8
8	4	7	<b>3</b>	1	6	2	<b>5</b>	<b>9</b>
9	2	<b>5</b>	<b>8</b>	7	<b>4</b>	6	3	1

#24 (ID: #265483)

2	1	7	<b>5</b>	4	<b>8</b>	<b>6</b>	3	9
<b>4</b>	6	8	7	9	3	5	2	1
5	9	<b>3</b>	<b>2</b>	<b>6</b>	1	4	7	8
<b>9</b>	7	5	6	<b>3</b>	2	1	8	<b>4</b>
<b>1</b>	2	<b>6</b>	4	8	5	3	<b>9</b>	7
3	<b>8</b>	4	<b>9</b>	1	7	<b>2</b>	5	6
6	5	<b>2</b>	1	7	<b>9</b>	8	4	3
7	<b>3</b>	1	<b>8</b>	2	4	<b>9</b>	<b>6</b>	5
8	4	9	<b>3</b>	<b>5</b>	6	7	<b>1</b>	2