

Printable PDF Booklet

# XY-Chain Practice Sudoku

6 Puzzles Per Page | 24 Puzzles | With Answers

Every puzzle in this booklet is filtered to require XY-Chain. It is designed for solvers who want deliberate, targeted practice on paper.

## DIFFICULTY

Custom / Custom

## LAYOUT

6 Puzzles Per Page

## TECHNIQUE

XY-Chain

## CANDIDATES

Off

## 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).

# XY-CHAIN PRACTICE SUDOKU [VOL.3]

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

#1 (ID: #201157)

SCORE: 306

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, XYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, XY-Chain

#2 (ID: #22605)

SCORE: 262

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XY-Wing, Skyscraper, Grouped Turbot Crane, XY-Chain

#3 (ID: #265352)

SCORE: 242

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Naked Triples, WXYZ-Wing, 3 Strong Links, XY-Chain

#4 (ID: #24541)

SCORE: 314

STEPS: 73

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, WXYZ-Wing, XY-Chain, Unique Rectangle Type 4

#5 (ID: #350398)

SCORE: 192

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, 2-String Kite, Skyscraper, XY-Chain

#6 (ID: #232827)

SCORE: 169

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, XY-Chain

# XY-CHAIN PRACTICE SUDOKU [VOL.3]

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

#7 (ID: #243574)

SCORE: 212

STEPS: 66

Level 7

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

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

#8 (ID: #128855)

SCORE: 212

STEPS: 63

Level 7

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

Techs: Naked Single, Hidden Single, Hidden Pairs, XY-Wing, VWXYZ-Wing, 2-String Kite, XY-Chain, Unique Rectangle Type 1

#9 (ID: #361738)

SCORE: 235

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, WXYZ-Wing, 2-String Kite, Grouped Turbot Crane, XY-Chain, Unique Rectangle Type 2

#10 (ID: #141829)

SCORE: 219

STEPS: 66

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, Skyscraper, XY-Chain

#11 (ID: #230525)

SCORE: 427

STEPS: 76

Level 7

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

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

#12 (ID: #261980)

SCORE: 356

STEPS: 72

Level 7

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

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

# XY-CHAIN PRACTICE SUDOKU [VOL.3]

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#13 (ID: #49995)

SCORE: 249

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, VWXYZ-Wing, 2-String Kite, Grouped 2-String Kite, Grouped Turbot Crane, XY-Chain, Unique Rectangle Type 4

#14 (ID: #473287)

SCORE: 203

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Skyscraper, XY-Chain

#15 (ID: #348782)

SCORE: 210

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Hidden Triples, XY-Chain

#16 (ID: #535705)

SCORE: 283

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, WXYZ-Wing, Skyscraper, XY-Chain

#17 (ID: #383277)

SCORE: 138

STEPS: 61

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XY-Chain

#18 (ID: #535708)

SCORE: 300

STEPS: 70

Level 7

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

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

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#19 (ID: #535707)

SCORE: 283

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XYZ-Wing, WXYZ-Wing, Skyscraper, XY-Chain

#20 (ID: #438539)

SCORE: 386

STEPS: 76

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, XY-Chain

#21 (ID: #155590)

SCORE: 162

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XY-Chain

#22 (ID: #236634)

SCORE: 289

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, 2-String Kite, Skyscraper, Turbot Fish, XY-Chain

#23 (ID: #158646)

SCORE: 193

STEPS: 63

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, 2-String Kite, Grouped 2-String Kite, XY-Chain

#24 (ID: #206470)

SCORE: 419

STEPS: 73

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, XY-Chain, BUG (Bivalve Universal Grave)

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#1 (ID: #201157)

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

#2 (ID: #22605)

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

#3 (ID: #265352)

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

#4 (ID: #24541)

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

#5 (ID: #350398)

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

#6 (ID: #232827)

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

#7 (ID: #243574)

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

#8 (ID: #128855)

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

# CLASSIC SUDOKU [VOL.3]

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

#9 (ID: #361738)

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

#10 (ID: #141829)

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

#11 (ID: #230525)

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

#12 (ID: #261980)

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

#13 (ID: #49995)

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

#14 (ID: #473287)

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

#15 (ID: #348782)

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

#16 (ID: #535705)

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

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#17 (ID: #383277)

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

#18 (ID: #535708)

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

#19 (ID: #535707)

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

#20 (ID: #438539)

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

#21 (ID: #155590)

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

#22 (ID: #236634)

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

#23 (ID: #158646)

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

#24 (ID: #206470)

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