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Printable PDF Booklet

# XY-Chain Practice Sudoku

4 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**

4 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 [sudokuprintout.com](https://www.sudokuprintout.com).

# XY-CHAIN PRACTICE SUDOKU [VOL.7]

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#1 (ID: #491549)

SCORE: 332

STEPS: 72

Level 7

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

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

#2 (ID: #248980)

SCORE: 223

STEPS: 68

Level 7

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

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

#3 (ID: #236965)

SCORE: 378

STEPS: 76

Level 7

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

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

#4 (ID: #156803)

SCORE: 302

STEPS: 70

Level 7

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

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

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#5 (ID: #491956)

SCORE: 256

STEPS: 70

Level 7

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

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

#6 (ID: #489135)

SCORE: 214

STEPS: 66

Level 7

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

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

#7 (ID: #42467)

SCORE: 199

STEPS: 65

Level 7

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

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

#8 (ID: #491954)

SCORE: 251

STEPS: 67

Level 7

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

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

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#9 (ID: #270290)

SCORE: 312

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, WXYZ-Wing, 2-String Kite, Skyscraper, Grouped 2-String Kite, XY-Chain, Chute Remote Pairs

#10 (ID: #144830)

SCORE: 261

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, 2-String Kite, Skyscraper, XY-Chain, Unique Rectangle Type 4

#11 (ID: #266126)

SCORE: 302

STEPS: 70

Level 7

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

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

#12 (ID: #494128)

SCORE: 403

STEPS: 78

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, Hidden Triples, 3 Strong Links, XY-Chain, Unique Rectangle Type 4

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#13 (ID: #61015)

SCORE: 263

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, XY-Wing, 3 Strong Links, XY-Chain, Unique Rectangle Type 1

#14 (ID: #489148)

SCORE: 223

STEPS: 68

Level 7

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

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

#15 (ID: #263917)

SCORE: 290

STEPS: 70

Level 7

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

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

#16 (ID: #109327)

SCORE: 234

STEPS: 66

Level 7

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

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

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

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#17 (ID: #384842)

SCORE: 253

STEPS: 66

Level 7

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

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

#18 (ID: #439500)

SCORE: 297

STEPS: 72

Level 7

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

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

#19 (ID: #110455)

SCORE: 202

STEPS: 66

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, WXYZ-Wing, XY-Chain, Chute Remote Pairs

#20 (ID: #509133)

SCORE: 207

STEPS: 66

Level 7

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

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

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#21 (ID: #137196)

SCORE: 202

STEPS: 66

Level 7

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

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

#22 (ID: #499324)

SCORE: 333

STEPS: 71

Level 7

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

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

#23 (ID: #509312)

SCORE: 357

STEPS: 69

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, XY-Chain, Unique Rectangle Type 3, BUG (Bivalue Universal Grave)

#24 (ID: #327021)

SCORE: 158

STEPS: 62

Level 7

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

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

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#1 (ID: #491549)

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

#2 (ID: #248980)

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

#3 (ID: #236965)

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

#4 (ID: #156803)

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

#5 (ID: #491956)

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

#6 (ID: #489135)

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

#7 (ID: #42467)

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

#8 (ID: #491954)

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

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#9 (ID: #270290)

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

#10 (ID: #144830)

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

#11 (ID: #266126)

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

#12 (ID: #494128)

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

#13 (ID: #61015)

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

#14 (ID: #489148)

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

#15 (ID: #263917)

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

#16 (ID: #109327)

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

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#17 (ID: #384842)

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

#18 (ID: #439500)

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

#19 (ID: #110455)

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

#20 (ID: #509133)

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

#21 (ID: #137196)

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

#22 (ID: #499324)

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

#23 (ID: #509312)

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

#24 (ID: #327021)

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