

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

# XY-CHAIN PRACTICE SUDOKU [VOL.6]

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#1 (ID: #541449)

SCORE: 315

STEPS: 71

Level 7

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

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

#2 (ID: #74532)

SCORE: 151

STEPS: 62

Level 7

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

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

#3 (ID: #369395)

SCORE: 211

STEPS: 65

Level 7

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

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

#4 (ID: #362630)

SCORE: 407

STEPS: 72

Level 7

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

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

#5 (ID: #98445)

SCORE: 276

STEPS: 71

Level 7

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

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

#6 (ID: #438568)

SCORE: 387

STEPS: 77

Level 7

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

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

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#7 (ID: #63002)

SCORE: 285

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, X-Wing, VWXYZ-Wing, XY-Chain, BUG (Bivalue Universal Grave)

#8 (ID: #439488)

SCORE: 258

STEPS: 69

Level 7

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

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

#9 (ID: #52053)

SCORE: 256

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Hidden Triples, Skyscraper, XY-Chain, Unique Rectangle Type 1

#10 (ID: #160118)

SCORE: 420

STEPS: 77

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, X-Wing, XYZ-Wing, Grouped 2-String Kite, Grouped Turbot Crane, XY-Chain, Unique Rectangle Type 1, Unique Rectangle Type 4

#11 (ID: #473288)

SCORE: 203

STEPS: 64

Level 7

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

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

#12 (ID: #491955)

SCORE: 255

STEPS: 69

Level 7

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

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

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#13 (ID: #77898)

SCORE: 358

STEPS: 75

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, 2-String Kite, Skyscraper, 3 Strong Links, Grouped Skyscraper, XY-Chain

#14 (ID: #211131)

SCORE: 163

STEPS: 62

Level 7

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

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

#15 (ID: #319911)

SCORE: 350

STEPS: 70

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, X-Wing, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, XY-Chain, Chute Remote Pairs

#16 (ID: #233641)

SCORE: 310

STEPS: 71

Level 7

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

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

#17 (ID: #223062)

SCORE: 362

STEPS: 73

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, Skyscraper, XY-Chain, Chute Remote Pairs, Unique Rectangle Type 4

#18 (ID: #122302)

SCORE: 222

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Grouped 2-String Kite, Grouped Turbot Crane, XY-Chain

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#19 (ID: #259759)

SCORE: 227

STEPS: 67

Level 7

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

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

#20 (ID: #491519)

SCORE: 360

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, X-Wing, XYZ-Wing, VWXYZ-Wing, XY-Chain, Unique Rectangle Type 3

#21 (ID: #107272)

SCORE: 267

STEPS: 66

Level 7

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

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

#22 (ID: #258783)

SCORE: 287

STEPS: 70

Level 7

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

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

#23 (ID: #248456)

SCORE: 424

STEPS: 76

Level 7

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

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

#24 (ID: #268423)

SCORE: 158

STEPS: 62

Level 7

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

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

# CLASSIC SUDOKU [VOL.6]

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#1 (ID: #541449)

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

#2 (ID: #74532)

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

#3 (ID: #369395)

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

#4 (ID: #362630)

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

#5 (ID: #98445)

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

#6 (ID: #438568)

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

#7 (ID: #63002)

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

#8 (ID: #439488)

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

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#9 (ID: #52053)

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

#10 (ID: #160118)

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

#11 (ID: #473288)

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

#12 (ID: #491955)

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

#13 (ID: #77898)

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

#14 (ID: #211131)

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

#15 (ID: #319911)

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

#16 (ID: #233641)

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

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#17 (ID: #223062)

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

#18 (ID: #122302)

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

#19 (ID: #259759)

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

#20 (ID: #491519)

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

#21 (ID: #107272)

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

#22 (ID: #258783)

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

#23 (ID: #248456)

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

#24 (ID: #268423)

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