

Printable PDF Booklet

XY-Chain Practice Sudoku

4 Puzzles Per Page | 24 Puzzles | With Answers | With Candidates

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

Included

ANSWER KEY

Included at the end

GENERATED

Apr 12, 2026

PAPER

A4 / US Letter

You are welcome to share this booklet freely.

HINT SUPPORT

Need a logical hint? Every booklet here uses the same Puzzle IDs as [sudoku-puzzle.org](https://www.sudoku-puzzle.org). Open that site, enter your Puzzle ID in the "Start Game" dialog, and launch the solver for a clean step-by-step walkthrough. For more printable layouts and levels, visit [sudokuprintout.com](https://www.sudokuprintout.com).

XY-CHAIN PRACTICE SUDOKU [VOL.4]

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#1 (ID: #383275)

SCORE: 138

STEPS: 61

Level 7

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

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

#2 (ID: #60753)

SCORE: 215

STEPS: 67

Level 7

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

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

#3 (ID: #142258)

SCORE: 292

STEPS: 70

Level 7

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

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

#4 (ID: #304319)

SCORE: 341

STEPS: 74

Level 7

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

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

💡 Stuck? Enter the Puzzle ID at sodukupuzzle.org for step-by-step logical hints.

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#5 (ID: #165091)

SCORE: 201

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, VWXYZ-Wing, Skyscraper, XY-Chain

#6 (ID: #288089)

SCORE: 262

STEPS: 68

Level 7

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

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

#7 (ID: #353927)

SCORE: 373

STEPS: 75

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, Unique Rectangle Type 3, Unique Rectangle Type 4

#8 (ID: #29652)

SCORE: 284

STEPS: 69

Level 7

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

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

💡 Stuck? Enter the Puzzle ID at sodukupuzzle.org for step-by-step logical hints.

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#9 (ID: #503192)

SCORE: 306

STEPS: 72

Level 7

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

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

#10 (ID: #353768)

SCORE: 252

STEPS: 68

Level 7

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

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

#11 (ID: #384864)

SCORE: 254

STEPS: 67

Level 7

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

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

#12 (ID: #529390)

SCORE: 304

STEPS: 70

Level 7

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

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

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#13 (ID: #535680)

SCORE: 299

STEPS: 69

Level 7

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

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

#14 (ID: #94879)

SCORE: 233

STEPS: 68

Level 7

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

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

#15 (ID: #154675)

SCORE: 516

STEPS: 78

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, X-Wing, XY-Wing, 2-String Kite, Turbot Fish, XY-Chain, Unique Rectangle Type 4

#16 (ID: #384839)

SCORE: 270

STEPS: 66

Level 7

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

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

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#17 (ID: #384838)

SCORE: 270

STEPS: 66

Level 7

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

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

#18 (ID: #252812)

SCORE: 275

STEPS: 67

Level 7

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

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

#19 (ID: #473289)

SCORE: 203

STEPS: 64

Level 7

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

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

#20 (ID: #245031)

SCORE: 172

STEPS: 64

Level 7

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

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

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#21 (ID: #79543)

SCORE: 256

STEPS: 67

Level 7

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

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

#22 (ID: #242051)

SCORE: 320

STEPS: 72

Level 7

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

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

#23 (ID: #109163)

SCORE: 207

STEPS: 66

Level 7

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

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

#24 (ID: #145533)

SCORE: 174

STEPS: 61

Level 7

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

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

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#1 (ID: #383275)

SCORE: 138

STEPS: 61

Level 7

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

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

#2 (ID: #60753)

SCORE: 215

STEPS: 67

Level 7

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

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

#3 (ID: #142258)

SCORE: 292

STEPS: 70

Level 7

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

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

#4 (ID: #304319)

SCORE: 341

STEPS: 74

Level 7

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

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

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#5 (ID: #165091)

SCORE: 201

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, VWXYZ-Wing, Skyscraper, XY-Chain

#6 (ID: #288089)

SCORE: 262

STEPS: 68

Level 7

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

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

#7 (ID: #353927)

SCORE: 373

STEPS: 75

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, XY-Chain, Unique Rectangle Type 3, Unique Rectangle Type 4

#8 (ID: #29652)

SCORE: 284

STEPS: 69

Level 7

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

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

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#9 (ID: #503192)

SCORE: 306

STEPS: 72

Level 7

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

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

#10 (ID: #353768)

SCORE: 252

STEPS: 68

Level 7

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

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

#11 (ID: #384864)

SCORE: 254

STEPS: 67

Level 7

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

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

#12 (ID: #529390)

SCORE: 304

STEPS: 70

Level 7

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

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

XY-CHAIN PRACTICE SUDOKU [VOL.4]

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#17 (ID: #384838)

SCORE: 270

STEPS: 66

Level 7

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

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

#18 (ID: #252812)

SCORE: 275

STEPS: 67

Level 7

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

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

#19 (ID: #473289)

SCORE: 203

STEPS: 64

Level 7

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

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

#20 (ID: #245031)

SCORE: 172

STEPS: 64

Level 7

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

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

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#21 (ID: #79543)

SCORE: 256

STEPS: 67

Level 7

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

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

#22 (ID: #242051)

SCORE: 320

STEPS: 72

Level 7

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

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

#23 (ID: #109163)

SCORE: 207

STEPS: 66

Level 7

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

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

#24 (ID: #145533)

SCORE: 174

STEPS: 61

Level 7

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

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

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#1 (ID: #383275)

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

#2 (ID: #60753)

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

#3 (ID: #142258)

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

#4 (ID: #304319)

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

#5 (ID: #165091)

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

#6 (ID: #288089)

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

#7 (ID: #353927)

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

#8 (ID: #29652)

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

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#9 (ID: #503192)

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

#10 (ID: #353768)

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

#11 (ID: #384864)

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

#12 (ID: #529390)

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

#13 (ID: #535680)

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

#14 (ID: #94879)

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

#15 (ID: #154675)

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

#16 (ID: #384839)

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

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#17 (ID: #384838)

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

#18 (ID: #252812)

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

#19 (ID: #473289)

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

#20 (ID: #245031)

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

#21 (ID: #79543)

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

#22 (ID: #242051)

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

#23 (ID: #109163)

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

#24 (ID: #145533)

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