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Printable PDF Booklet

VWXYZ-Wing Practice Sudoku

1 Puzzle Per Page | 24 Puzzles | With Answers

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

DIFFICULTY

Custom / Custom

LAYOUT

1 Puzzle Per Page

TECHNIQUE

VWXYZ-Wing

CANDIDATES

Off

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).

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#1 (ID: #30843)

SCORE: 279

STEPS: 70

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#2 (ID: #271804)

SCORE: 408

STEPS: 76

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#3 (ID: #164889)

SCORE: 245

STEPS: 66

Level 7

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

Techs: **Naked Single, Hidden Single, Claiming, Naked Pairs, Swordfish, VWXYZ-Wing, 2-String Kite**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#4 (ID: #235429)

SCORE: 171

STEPS: 62

Level 7

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

Techs: Naked Single, Hidden Single, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#5 (ID: #246738)

SCORE: 332

STEPS: 74

Level 7

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

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, Unique Rectangle Type 1, Unique Rectangle Type 3**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#6 (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**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#7 (ID: #253287)

SCORE: 314

STEPS: 72

Level 7

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

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

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

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#8 (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**

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

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#9 (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**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#10 (ID: #335547)

SCORE: 178

STEPS: 64

Level 7

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

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

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

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#11 (ID: #283624)

SCORE: 129

STEPS: 63

Level 7

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

Techs: **Naked Single, Hidden Single, Pointing, VWXYZ-Wing, 3 Strong Links**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#12 (ID: #363758)

SCORE: 385

STEPS: 68

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#13 (ID: #73547)

SCORE: 222

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, Chute Remote Pairs, Unique Rectangle Type 3, Unique Rectangle Type 4

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#14 (ID: #278737)

SCORE: 319

STEPS: 67

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#15 (ID: #373544)

SCORE: 280

STEPS: 70

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#16 (ID: #77095)

SCORE: 451

STEPS: 75

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#17 (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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#18 (ID: #87402)

SCORE: 211

STEPS: 69

Level 7

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

Techs: **Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#19 (ID: #80912)

SCORE: 210

STEPS: 68

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#20 (ID: #344277)

SCORE: 236

STEPS: 67

Level 7

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

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

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#21 (ID: #60708)

SCORE: 312

STEPS: 69

Level 8

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

Techs: **Naked Single, Hidden Single, Pointing, Naked Triples, WXYZ-Wing, VWXYZ-Wing, Unique Rectangle Type 4, BUG (Bivalue Universal Grave)**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#22 (ID: #380693)

SCORE: 309

STEPS: 72

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, Grouped Skyscraper

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#23 (ID: #421684)

SCORE: 377

STEPS: 75

Level 8

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

Techs: **Naked Single, Hidden Single, Pointing, Naked Pairs, XYZ-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Chute Remote Pairs**

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

VWXYZ-WING PRACTICE SUDOKU [VOL.5]

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#24 (ID: #380699)

SCORE: 309

STEPS: 72

Level 8

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

Techs: **Naked Single, Hidden Single, Pointing, Claiming, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, Grouped Skyscraper**

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

CLASSIC SUDOKU [VOL.5]

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#1 (ID: #30843)

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

#2 (ID: #271804)

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

#3 (ID: #164889)

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

#4 (ID: #235429)

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

#5 (ID: #246738)

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

#6 (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

#7 (ID: #253287)

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

#8 (ID: #258783)

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

CLASSIC SUDOKU [VOL.5]

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#9 (ID: #49995)

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

#10 (ID: #335547)

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

#11 (ID: #283624)

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

#12 (ID: #363758)

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

#13 (ID: #73547)

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

#14 (ID: #278737)

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

#15 (ID: #373544)

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

#16 (ID: #77095)

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

CLASSIC SUDOKU [VOL.5]

1 Puzzle Per Page | 24 Puzzles | With Answers | sudokuprintout.com

#17 (ID: #266126)

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

#18 (ID: #87402)

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

#19 (ID: #80912)

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

#20 (ID: #344277)

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

#21 (ID: #60708)

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

#22 (ID: #380693)

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

#23 (ID: #421684)

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

#24 (ID: #380699)

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