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Printable PDF Booklet

# VWXYZ-Wing Practice Sudoku

4 Puzzles 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

4 Puzzles 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.*

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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).

# VWXYZ-WING PRACTICE SUDOKU [VOL.7]

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#1 (ID: #68398)

SCORE: 158

STEPS: 63

Level 8

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

Techs: Naked Single, Hidden Single, VWXYZ-Wing, Unique Rectangle Type 2, Unique Rectangle Type 3

#2 (ID: #108302)

SCORE: 272

STEPS: 70

Level 8

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

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

#3 (ID: #514155)

SCORE: 299

STEPS: 74

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, VWXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, Unique Rectangle Type 1

#4 (ID: #467430)

SCORE: 312

STEPS: 72

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Swordfish, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Grouped 2-String Kite, Unique Rectangle Type 4

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#5 (ID: #514977)

SCORE: 173

STEPS: 64

Level 8

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

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

#6 (ID: #458786)

SCORE: 337

STEPS: 72

Level 8

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

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

#7 (ID: #423778)

SCORE: 495

STEPS: 82

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, X-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Unique Rectangle Type 1, Unique Rectangle Type 2, Unique Rectangle Type 4

#8 (ID: #527967)

SCORE: 362

STEPS: 74

Level 8

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

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

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#9 (ID: #528021)

SCORE: 363

STEPS: 75

Level 8

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

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

#10 (ID: #159713)

SCORE: 234

STEPS: 68

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, XYZ-Wing, VWXYZ-Wing

#11 (ID: #535547)

SCORE: 162

STEPS: 62

Level 8

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

Techs: Naked Single, Hidden Single, Naked Triples, XY-Wing, VWXYZ-Wing

#12 (ID: #528319)

SCORE: 285

STEPS: 75

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, VWXYZ-Wing, Unique Rectangle Type 1, Unique Rectangle Type 4

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#13 (ID: #540202)

SCORE: 233

STEPS: 67

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, X-Wing, VWXYZ-Wing, Unique Rectangle Type 1, Unique Rectangle Type 4

#14 (ID: #201089)

SCORE: 232

STEPS: 65

Level 8

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

Techs: Naked Single, Hidden Single, Naked Pairs, X-Wing, XY-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper

#15 (ID: #560421)

SCORE: 329

STEPS: 76

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Naked Triples, Hidden Triples, X-Wing, WXYZ-Wing, VWXYZ-Wing

#16 (ID: #155048)

SCORE: 150

STEPS: 62

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, XY-Wing, VWXYZ-Wing

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#17 (ID: #556567)

SCORE: 161

STEPS: 64

Level 8

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

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

#18 (ID: #61666)

SCORE: 219

STEPS: 67

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, WXYZ-Wing, VWXYZ-Wing, Skyscraper

#19 (ID: #370453)

SCORE: 270

STEPS: 71

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, X-Wing, XY-Wing, VWXYZ-Wing, Unique Rectangle Type 1

#20 (ID: #375238)

SCORE: 449

STEPS: 77

Level 8

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

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

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#21 (ID: #271775)

SCORE: 347

STEPS: 74

Level 8

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

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

#22 (ID: #99577)

SCORE: 152

STEPS: 64

Level 8

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

Techs: Naked Single, Hidden Single, Pointing, VWXYZ-Wing, Turbot Fish

#23 (ID: #375533)

SCORE: 287

STEPS: 71

Level 8

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

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

#24 (ID: #443840)

SCORE: 217

STEPS: 65

Level 8

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

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

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#1 (ID: #68398)

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

#2 (ID: #108302)

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

#3 (ID: #514155)

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

#4 (ID: #467430)

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

#5 (ID: #514977)

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

#6 (ID: #458786)

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

#7 (ID: #423778)

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

#8 (ID: #527967)

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

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#9 (ID: #528021)

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

#10 (ID: #159713)

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

#11 (ID: #535547)

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

#12 (ID: #528319)

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

#13 (ID: #540202)

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

#14 (ID: #201089)

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

#15 (ID: #560421)

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

#16 (ID: #155048)

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

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#17 (ID: #556567)

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

#18 (ID: #61666)

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

#19 (ID: #370453)

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

#20 (ID: #375238)

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

#21 (ID: #271775)

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

#22 (ID: #99577)

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

#23 (ID: #375533)

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

#24 (ID: #443840)

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