

STANDARD-LAYOUT SUDOKU PACKS START AT
SUDOKUPRINTOUT.COM

Printable PDF Booklet

XYZ-Wing Practice Sudoku

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

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

DIFFICULTY

Custom / Custom

LAYOUT

4 Puzzles Per Page

TECHNIQUE

XYZ-Wing

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 [sudoku-printout.com](https://www.sudoku-printout.com).

XYZ-WING PRACTICE SUDOKU [VOL.5]

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#1 (ID: #162016)

SCORE: 269

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XY-Wing, XYZ-Wing, 2-String Kite, 3 Strong Links, Grouped 2-String Kite, Unique Rectangle Type 3

#2 (ID: #154230)

SCORE: 329

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XYZ-Wing, WXYZ-Wing, 2-String Kite, Skyscraper, Grouped 2-String Kite, Chute Remote Pairs, Unique Rectangle Type 1

#3 (ID: #161505)

SCORE: 259

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Naked Triples, XYZ-Wing, Skyscraper

#4 (ID: #142298)

SCORE: 295

STEPS: 71

Level 7

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

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

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#5 (ID: #227768)

SCORE: 484

STEPS: 80

Level 7

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

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

#6 (ID: #258193)

SCORE: 182

STEPS: 62

Level 7

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

Techs: Naked Single, Hidden Single, Naked Pairs, XY-Wing, XYZ-Wing, Unique Rectangle Type 4

#7 (ID: #432735)

SCORE: 280

STEPS: 70

Level 7

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

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

#8 (ID: #183789)

SCORE: 234

STEPS: 67

Level 7

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

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

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#9 (ID: #306037)

SCORE: 198

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, XYZ-Wing, Skyscraper, Unique Rectangle Type 2

#10 (ID: #347927)

SCORE: 237

STEPS: 64

Level 7

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

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

#11 (ID: #468125)

SCORE: 326

STEPS: 77

Level 7

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

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

#12 (ID: #90461)

SCORE: 319

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, X-Wing, XY-Wing, XYZ-Wing, 2-String Kite, BUG (Bivalve Universal Grave)

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#13 (ID: #170216)

SCORE: 235

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, XY-Wing, XYZ-Wing, 2-String Kite, Unique Rectangle Type 1, Unique Rectangle Type 3

#14 (ID: #271738)

SCORE: 271

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, X-Wing, XYZ-Wing, Turbot Fish, Chute Remote Pairs, Unique Rectangle Type 4

#15 (ID: #284338)

SCORE: 239

STEPS: 67

Level 7

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

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

#16 (ID: #432737)

SCORE: 305

STEPS: 71

Level 7

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

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

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#17 (ID: #440857)

SCORE: 369

STEPS: 76

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, XY-Wing, XYZ-Wing, 2-String Kite, Skyscraper, Grouped 2-String Kite, Unique Rectangle Type 3

#18 (ID: #275869)

SCORE: 125

STEPS: 60

Level 7

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

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

#19 (ID: #468120)

SCORE: 326

STEPS: 77

Level 7

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

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

#20 (ID: #493228)

SCORE: 138

STEPS: 61

Level 7

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

Techs: Naked Single, Hidden Single, XYZ-Wing, Unique Rectangle Type 4

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#21 (ID: #474133)

SCORE: 222

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Hidden Pairs, X-Wing, XY-Wing, XYZ-Wing, Unique Rectangle Type 2

#22 (ID: #223417)

SCORE: 467

STEPS: 78

Level 7

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

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

#23 (ID: #360209)

SCORE: 166

STEPS: 63

Level 7

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

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

#24 (ID: #152686)

SCORE: 141

STEPS: 62

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XYZ-Wing

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#1 (ID: #162016)

SCORE: 269

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XY-Wing, XYZ-Wing, 2-String Kite, 3 Strong Links, Grouped 2-String Kite, Unique Rectangle Type 3

#2 (ID: #154230)

SCORE: 329

STEPS: 74

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, XYZ-Wing, WXYZ-Wing, 2-String Kite, Skyscraper, Grouped 2-String Kite, Chute Remote Pairs, Unique Rectangle Type 1

#3 (ID: #161505)

SCORE: 259

STEPS: 68

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, Naked Triples, XYZ-Wing, Skyscraper

#4 (ID: #142298)

SCORE: 295

STEPS: 71

Level 7

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

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

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#5 (ID: #227768)

SCORE: 484

STEPS: 80

Level 7

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

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

#6 (ID: #258193)

SCORE: 182

STEPS: 62

Level 7

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

Techs: Naked Single, Hidden Single, Naked Pairs, XY-Wing, XYZ-Wing, Unique Rectangle Type 4

#7 (ID: #432735)

SCORE: 280

STEPS: 70

Level 7

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

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

#8 (ID: #183789)

SCORE: 234

STEPS: 67

Level 7

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

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

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#9 (ID: #306037)

SCORE: 198

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, XYZ-Wing, Skyscraper, Unique Rectangle Type 2

#10 (ID: #347927)

SCORE: 237

STEPS: 64

Level 7

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

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

#11 (ID: #468125)

SCORE: 326

STEPS: 77

Level 7

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

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

#12 (ID: #90461)

SCORE: 319

STEPS: 67

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, X-Wing, XY-Wing, XYZ-Wing, 2-String Kite, BUG (Bivalve Universal Grave)

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#13 (ID: #170216)

SCORE: 235

STEPS: 65

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, XY-Wing, XYZ-Wing, 2-String Kite, Unique Rectangle Type 1, Unique Rectangle Type 3

#14 (ID: #271738)

SCORE: 271

STEPS: 71

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, X-Wing, XYZ-Wing, Turbot Fish, Chute Remote Pairs, Unique Rectangle Type 4

#15 (ID: #284338)

SCORE: 239

STEPS: 67

Level 7

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

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

#16 (ID: #432737)

SCORE: 305

STEPS: 71

Level 7

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

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

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#17 (ID: #440857)

SCORE: 369

STEPS: 76

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, X-Wing, XY-Wing, XYZ-Wing, 2-String Kite, Skyscraper, Grouped 2-String Kite, Unique Rectangle Type 3

#18 (ID: #275869)

SCORE: 125

STEPS: 60

Level 7

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

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

#19 (ID: #468120)

SCORE: 326

STEPS: 77

Level 7

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

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

#20 (ID: #493228)

SCORE: 138

STEPS: 61

Level 7

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

Techs: Naked Single, Hidden Single, XYZ-Wing, Unique Rectangle Type 4

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#21 (ID: #474133)

SCORE: 222

STEPS: 64

Level 7

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

Techs: Naked Single, Hidden Single, Hidden Pairs, X-Wing, XY-Wing, XYZ-Wing, Unique Rectangle Type 2

#22 (ID: #223417)

SCORE: 467

STEPS: 78

Level 7

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

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

#23 (ID: #360209)

SCORE: 166

STEPS: 63

Level 7

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

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

#24 (ID: #152686)

SCORE: 141

STEPS: 62

Level 7

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, XYZ-Wing

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#1 (ID: #162016)

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

#2 (ID: #154230)

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

#3 (ID: #161505)

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

#4 (ID: #142298)

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

#5 (ID: #227768)

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

#6 (ID: #258193)

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

#7 (ID: #432735)

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

#8 (ID: #183789)

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

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#9 (ID: #306037)

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

#10 (ID: #347927)

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

#11 (ID: #468125)

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

#12 (ID: #90461)

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

#13 (ID: #170216)

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

#14 (ID: #271738)

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

#15 (ID: #284338)

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

#16 (ID: #432737)

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

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#17 (ID: #440857)

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

#18 (ID: #275869)

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

#19 (ID: #468120)

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

#20 (ID: #493228)

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

#21 (ID: #474133)

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

#22 (ID: #223417)

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

#23 (ID: #360209)

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

#24 (ID: #152686)

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