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Printable PDF Booklet

X-Cycle Practice Sudoku

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

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

DIFFICULTY

Custom / Custom

LAYOUT

4 Puzzles Per Page

TECHNIQUE

X-Cycle

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).

X-CYCLE PRACTICE SUDOKU [VOL.4]

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#1 (ID: #64577)

SCORE: 298

STEPS: 68

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, X-Wing, WXYZ-Wing, VWXYZ-Wing, 3 Strong Links, X-Cycle, Chute Remote Pairs

#2 (ID: #67246)

SCORE: 572

STEPS: 80

Level 10

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

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

#3 (ID: #68654)

SCORE: 454

STEPS: 79

Level 10

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

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

#4 (ID: #73617)

SCORE: 676

STEPS: 84

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Swordfish, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, BUG (Bivalue Universal Grave)

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#5 (ID: #75110)

SCORE: 395

STEPS: 70

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, X-Wing, Swordfish, WXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, XY-Chain, X-Cycle, Chute Remote Pairs

#6 (ID: #75941)

SCORE: 579

STEPS: 82

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, 2-String Kite, Skyscraper, Turbot Fish, Grouped 2-String Kite, X-Cycle, Chute Remote Pairs

#7 (ID: #78828)

SCORE: 568

STEPS: 83

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, VWXYZ-Wing, Skyscraper, 4 Strong Links, Grouped Turbot Crane, X-Cycle

#8 (ID: #79080)

SCORE: 517

STEPS: 81

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, X-Wing, XYZ-Wing, Skyscraper, 3 Strong Links, Grouped 2-String Kite, Grouped Turbot Crane, XY-Chain, X-Cycle

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#9 (ID: #83033)

SCORE: 423

STEPS: 80

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, VWXYZ-Wing, Turbot Fish, 3 Strong Links, XY-Chain, X-Cycle

#10 (ID: #100655)

SCORE: 646

STEPS: 83

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Triples, WXYZ-Wing, 2-String Kite, 3 Strong Links, 4 Strong Links, XY-Chain, X-Cycle, Unique Rectangle Type 4

#11 (ID: #101180)

SCORE: 312

STEPS: 67

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, 2-String Kite, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, Unique Rectangle Type 2

#12 (ID: #102298)

SCORE: 481

STEPS: 77

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Hidden Pairs, Naked Triples, Skyscraper, Turbot Fish, 3 Strong Links, Grouped 2-String Kite, X-Cycle

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#13 (ID: #109844)

SCORE: 664

STEPS: 89

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, VWXYZ-Wing, Skyscraper, Turbot Fish, X-Cycle, Chute Remote Pairs

#14 (ID: #111167)

SCORE: 760

STEPS: 86

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, XYZ-Wing, 2-String Kite, 3 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs

#15 (ID: #114133)

SCORE: 318

STEPS: 71

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, X-Cycle

#16 (ID: #124179)

SCORE: 552

STEPS: 84

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, 4 Strong Links, X-Cycle

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#17 (ID: #126533)

SCORE: 402

STEPS: 74

Level 10

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

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

#18 (ID: #127164)

SCORE: 503

STEPS: 77

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, Grouped Turbot Crane, X-Cycle, Unique Rectangle Type 4

#19 (ID: #127344)

SCORE: 350

STEPS: 72

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, 2-String Kite, Turbot Fish, 3 Strong Links, X-Cycle

#20 (ID: #129762)

SCORE: 412

STEPS: 73

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, XYZ-Wing, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, X-Cycle

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#21 (ID: #132209)

SCORE: 443

STEPS: 75

Level 10

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

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

#22 (ID: #134384)

SCORE: 463

STEPS: 75

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, WXYZ-Wing, 2-String Kite, Skyscraper, Grouped Turbot Crane, X-Cycle

#23 (ID: #143428)

SCORE: 662

STEPS: 90

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, 2-String Kite, 3 Strong Links, X-Cycle, Unique Rectangle Type 4

#24 (ID: #145851)

SCORE: 556

STEPS: 82

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, XYZ-Wing, WXYZ-Wing, Turbot Fish, 3 Strong Links, X-Cycle

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#1 (ID: #64577)

SCORE: 298

STEPS: 68

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, X-Wing, WXYZ-Wing, VWXYZ-Wing, 3 Strong Links, X-Cycle, Chute Remote Pairs

#2 (ID: #67246)

SCORE: 572

STEPS: 80

Level 10

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

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

#3 (ID: #68654)

SCORE: 454

STEPS: 79

Level 10

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

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

#4 (ID: #73617)

SCORE: 676

STEPS: 84

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Swordfish, XYZ-Wing, VWXYZ-Wing, 2-String Kite, Skyscraper, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, X-Cycle, BUG (Bivalue Universal Grave)

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#5 (ID: #75110)

SCORE: 395

STEPS: 70

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, X-Wing, Swordfish, WXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, Grouped Turbot Crane, XY-Chain, X-Cycle, Chute Remote Pairs

#6 (ID: #75941)

SCORE: 579

STEPS: 82

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, 2-String Kite, Skyscraper, Turbot Fish, Grouped 2-String Kite, X-Cycle, Chute Remote Pairs

#7 (ID: #78828)

SCORE: 568

STEPS: 83

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, XY-Wing, XYZ-Wing, VWXYZ-Wing, Skyscraper, 4 Strong Links, Grouped Turbot Crane, X-Cycle

#8 (ID: #79080)

SCORE: 517

STEPS: 81

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, Naked Triples, X-Wing, XYZ-Wing, Skyscraper, 3 Strong Links, Grouped 2-String Kite, Grouped Turbot Crane, XY-Chain, X-Cycle

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#13 (ID: #109844)

SCORE: 664

STEPS: 89

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, Naked Triples, VWXYZ-Wing, Skyscraper, Turbot Fish, X-Cycle, Chute Remote Pairs

#14 (ID: #111167)

SCORE: 760

STEPS: 86

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, XYZ-Wing, 2-String Kite, 3 Strong Links, XY-Chain, X-Cycle, Chute Remote Pairs

#15 (ID: #114133)

SCORE: 318

STEPS: 71

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, X-Cycle

#16 (ID: #124179)

SCORE: 552

STEPS: 84

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, 3 Strong Links, 4 Strong Links, X-Cycle

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#17 (ID: #126533)

SCORE: 402

STEPS: 74

Level 10

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

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

#18 (ID: #127164)

SCORE: 503

STEPS: 77

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Hidden Pairs, XY-Wing, WXYZ-Wing, VWXYZ-Wing, 2-String Kite, Turbot Fish, Grouped Turbot Crane, X-Cycle, Unique Rectangle Type 4

#19 (ID: #127344)

SCORE: 350

STEPS: 72

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Naked Pairs, Hidden Pairs, 2-String Kite, Turbot Fish, 3 Strong Links, X-Cycle

#20 (ID: #129762)

SCORE: 412

STEPS: 73

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Triples, XY-Wing, WXYZ-Wing, 2-String Kite, Skyscraper, 3 Strong Links, X-Cycle

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#21 (ID: #132209)

SCORE: 443

STEPS: 75

Level 10

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

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

#22 (ID: #134384)

SCORE: 463

STEPS: 75

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, XYZ-Wing, WXYZ-Wing, 2-String Kite, Skyscraper, Grouped Turbot Crane, X-Cycle

#23 (ID: #143428)

SCORE: 662

STEPS: 90

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Claiming, Hidden Pairs, WXYZ-Wing, 2-String Kite, 3 Strong Links, X-Cycle, Unique Rectangle Type 4

#24 (ID: #145851)

SCORE: 556

STEPS: 82

Level 10

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

Techs: Naked Single, Hidden Single, Pointing, Naked Pairs, XYZ-Wing, WXYZ-Wing, Turbot Fish, 3 Strong Links, X-Cycle

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#1 (ID: #64577)

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

#2 (ID: #67246)

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

#3 (ID: #68654)

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

#4 (ID: #73617)

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

#5 (ID: #75110)

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

#6 (ID: #75941)

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

#7 (ID: #78828)

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

#8 (ID: #79080)

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

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#9 (ID: #83033)

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

#10 (ID: #100655)

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

#11 (ID: #101180)

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

#12 (ID: #102298)

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

#13 (ID: #109844)

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

#14 (ID: #111167)

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

#15 (ID: #114133)

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

#16 (ID: #124179)

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

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#17 (ID: #126533)

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

#18 (ID: #127164)

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

#19 (ID: #127344)

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

#20 (ID: #129762)

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

#21 (ID: #132209)

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

#22 (ID: #134384)

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

#23 (ID: #143428)

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

#24 (ID: #145851)

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