

Sample Reader

A finished book built by the same code

60 puzzles: 20 easy · 20 medium · 15 hard · 5 expert · solutions at the back

Made to order for #SAMPLE by Quietforge, an AI-run studio · standard print

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The four levels

Easy — Singles only

Every step is a cell with one possible digit, or a digit with one possible cell in its row, column or box.

Medium — Adds pairs and pointing

You will also need naked pairs, pointing pairs and box-line reduction to remove candidates before the singles reappear.

Hard — Adds triples, hidden pairs, X-wing

On top of the medium techniques: naked triples, hidden pairs and the X-wing pattern across two rows or columns.

Expert — Beyond X-wing

The techniques above are not enough on their own. Chains, wings or careful trial-and-error will be needed; there is still exactly one solution.

Paper: A4. Print at 100% (actual size), single- or double-sided. Every puzzle in this book was generated by code, proven to have exactly one solution, and graded by solving it with the named techniques before printing. Personal use — see README.txt.

How to solve

One rule, four levels, and the techniques each level is built from.

The rule

Fill every empty cell with a digit from 1 to 9 so that each row, each column and each of the nine 3x3 boxes contains every digit exactly once. The printed digits (givens) never change. Every puzzle in this book has exactly one solution. Easy, Medium and Hard are solvable with the techniques on this page; Expert needs chains, wings or careful trial-and-error.

Pencil marks help: write the digits still possible for a cell small in its corner (its candidates), then remove them as the grid fills in.

Easy — singles

Naked single: a cell has only one candidate left, so it must be that digit. Hidden single: in a row, column or box, a digit fits in only one cell, so it goes there. Every Easy puzzle solves with nothing but these two moves.

Medium — pairs, pointing, box-line

Naked pair: two cells in the same unit share the same two candidates, so those digits can be removed from every other cell of that unit. Pointing pair: inside a box a digit is confined to one row (or column), so it can be removed from that row outside the box. Box-line reduction: the reverse — a digit in a row is confined to one box, so it leaves the rest of the box. Medium puzzles need at least one of these before the singles reappear.

Hard — triples, hidden pairs, X-wing

Naked triple: three cells in a unit whose candidates together are only three digits. Hidden pair: two digits that fit in only the same two cells of a unit, so those cells hold nothing else. X-wing: a digit that has exactly two candidate cells in each of two rows, lined up in the same two columns; it can be removed from the rest of those columns (or the same with rows and columns swapped). Hard puzzles need at least one of these.

Expert — beyond

The techniques above run out. You will need longer chains, wings, uniqueness arguments or careful trial-and-error with pencil marks. The single solution is still there; the solutions section is at the back if you want a hint — check one cell, not the whole grid.

About this book

Generated by Quietforge, an AI-run studio, for order #SAMPLE. Every grid was built by code: a full solution first, then clues removed in a symmetric pattern while a solver proved the puzzle still has exactly one answer. Each puzzle was then solved again using only the named techniques of its level, so the label is a promise, not a guess: an Easy puzzle never needs more than singles, and a Medium or Hard puzzle really does need its level.

One free revision within 7 days of delivery: email quietforgestudio@agentmail.to with the order number. Personal use by the buyer; please do not resell or redistribute the file.

EASY

20 puzzles · #1 to #20 · Singles only

Every step is a cell with one possible digit, or a digit with one possible cell in its row, column or box.

36 to 44 givens per puzzle · solutions from page 23

Easy puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#1 · Easy

37 givens

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

#2 · Easy

38 givens

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

#3 · Easy

40 givens

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

#4 · Easy

37 givens

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

Easy puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#5 · Easy

40 givens

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

#6 · Easy

43 givens

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

#7 · Easy

39 givens

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

#8 · Easy

38 givens

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

Easy puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#9 · Easy

41 givens

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

#10 · Easy

39 givens

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

#11 · Easy

44 givens

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

#12 · Easy

44 givens

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

Easy puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#13 · Easy

39 givens

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

#14 · Easy

36 givens

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

#15 · Easy

39 givens

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

#16 · Easy

41 givens

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

Easy puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#17 · Easy

43 givens

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

#18 · Easy

36 givens

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

#19 · Easy

42 givens

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

#20 · Easy

40 givens

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

MEDIUM

20 puzzles · #21 to #40 · Adds pairs and pointing

You will also need naked pairs, pointing pairs and box-line reduction to remove candidates before the singles reappear.

24 to 35 givens per puzzle · solutions from page 23

Medium puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#21 · Medium

33 givens

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

#22 · Medium

30 givens

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

#23 · Medium

27 givens

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

#24 · Medium

26 givens

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

Medium puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#25 · Medium

26 givens

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

#26 · Medium

28 givens

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

#27 · Medium

24 givens

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

#28 · Medium

28 givens

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

Medium puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#29 · Medium

28 givens

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

#30 · Medium

30 givens

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

#31 · Medium

32 givens

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

#32 · Medium

28 givens

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

Medium puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#33 · Medium

31 givens

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

#34 · Medium

28 givens

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

#35 · Medium

35 givens

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

#36 · Medium

29 givens

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

Medium puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#37 · Medium

28 givens

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

#38 · Medium

32 givens

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

#39 · Medium

28 givens

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

#40 · Medium

28 givens

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

HARD

15 puzzles · #41 to #55 · Adds triples, hidden pairs, X-wing

On top of the medium techniques: naked triples, hidden pairs and the X-wing pattern across two rows or columns.

26 to 30 givens per puzzle · solutions from page 23

Hard puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#41 · Hard

28 givens

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

#42 · Hard

26 givens

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

#43 · Hard

27 givens

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

#44 · Hard

26 givens

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

Hard puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#45 · Hard

26 givens

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

#46 · Hard

30 givens

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

#47 · Hard

28 givens

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

#48 · Hard

29 givens

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

Hard puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#49 · Hard

30 givens

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

#50 · Hard

26 givens

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

#51 · Hard

30 givens

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

#52 · Hard

27 givens

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

Hard puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#53 · Hard

28 givens

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

#54 · Hard

26 givens

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

#55 · Hard

28 givens

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

EXPERT

5 puzzles · #56 to #60 · Beyond X-wing

The techniques above are not enough on their own. Chains, wings or careful trial-and-error will be needed; there is still exactly one solution.

26 to 27 givens per puzzle · solutions from page 23

Expert puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#56 · Expert

26 givens

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

#57 · Expert

26 givens

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

#58 · Expert

27 givens

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

#59 · Expert

26 givens

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

Expert puzzles

Fill every row, column and 3x3 box with the digits 1-9. Each puzzle has exactly one solution.

#60 · Expert

26 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#1 · Easy

37 givens

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

#2 · Easy

38 givens

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

#3 · Easy

40 givens

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

#4 · Easy

37 givens

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

#5 · Easy

40 givens

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

#6 · Easy

43 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#7 · Easy

39 givens

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

#8 · Easy

38 givens

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

#9 · Easy

41 givens

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

#10 · Easy

39 givens

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

#11 · Easy

44 givens

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

#12 · Easy

44 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#13 · Easy

39 givens

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

#14 · Easy

36 givens

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

#15 · Easy

39 givens

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

#16 · Easy

41 givens

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

#17 · Easy

43 givens

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

#18 · Easy

36 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#19 · Easy

42 givens

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

#20 · Easy

40 givens

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

#21 · Medium

33 givens

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

#22 · Medium

30 givens

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

#23 · Medium

27 givens

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

#24 · Medium

26 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#25 · Medium

26 givens

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

#26 · Medium

28 givens

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

#27 · Medium

24 givens

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

#28 · Medium

28 givens

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

#29 · Medium

28 givens

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

#30 · Medium

30 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#31 · Medium

32 givens

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

#32 · Medium

28 givens

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

#33 · Medium

31 givens

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

#34 · Medium

28 givens

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

#35 · Medium

35 givens

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

#36 · Medium

29 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#37 · Medium

28 givens

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

#38 · Medium

32 givens

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

#39 · Medium

28 givens

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

#40 · Medium

28 givens

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

#41 · Hard

28 givens

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

#42 · Hard

26 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#43 · Hard

27 givens

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

#44 · Hard

26 givens

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

#45 · Hard

26 givens

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

#46 · Hard

30 givens

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

#47 · Hard

28 givens

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

#48 · Hard

29 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#49 · Hard

30 givens

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

#50 · Hard

26 givens

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

#51 · Hard

30 givens

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

#52 · Hard

27 givens

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

#53 · Hard

28 givens

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

#54 · Hard

26 givens

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

Solutions

Givens in bold, solved digits in regular weight. Same numbering as the puzzles.

#55 · Hard

28 givens

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

#56 · Expert

26 givens

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

#57 · Expert

26 givens

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

#58 · Expert

27 givens

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

#59 · Expert

26 givens

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

#60 · Expert

26 givens

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