OFFICIAL FREE LOGIC SERIES

AZTest · aztest.org

KURODOKO

50 Handcrafted Puzzles from Beginner to Expert · Solutions Included

Alternative Names: Kuromasu (黒マスはどこだ) · Where is Black Cells? · Range Puzzles

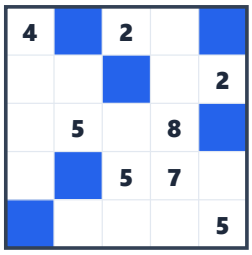
How to Play & Rules

- Shade some cells black; all numbered cells must remain white.
- Each number specifies the exact total count of white cells visible from that cell horizontally and vertically (including its own cell), up until a black cell or the grid boundary.
- Black cells block line of sight; white cells allow sight to pass through.
- No Adjacent Shading: Shaded black cells can never touch along a side (orthogonally), though they may touch diagonally at corners.
- Connected White Space: All white cells must form a single connected component through shared sides.

Every puzzle has exactly one valid solution, deducible purely through logical reasoning.

Difficulty Levels (50 Puzzles)

Stage	Grid Sizes	Puzzles
Intro	5×5	3
Easy	5×5 to 6×6	12
Medium	7×7 to 8×8	12
Hard	8×8 to 9×9	12
Expert	9×9 to 10×10	11



Solved Level Example

Play 100+ Levels Online with Instant Validation

Enjoy interactive play with step-by-step hints, conflict checkers, and unlimited undo on AZTest.

https://aztest.org/puzzles/kurodoko/

Discover 25+ free logic games on AZTest: Slitherlink, Nurikabe, Calcudoku, Masyu, Galaxies, Hitori, Tents, and more.

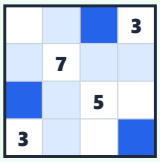
Published by AZTest · https://aztest.org · Free to print, copy, and distribute for personal and educational use.

KURODOKO — WHAT IS ALLOWED & WHAT IS NOT ALLOWED

Visual guide illustrating correct moves versus rule violations

What a Number Sees

A number counts the white cells it sees: itself, plus the white cells straight up, down, left and right until a shaded cell or the edge.



✓ ALLOWED

The 7 sees itself, its whole row and its column below the top: seven white cells (tinted).



✗ NOT ALLOWED

This number says 6, but it sees seven white cells.

Shaded Apart, White Together

Numbered cells stay white. Shaded cells never share a side, and all the white cells stay joined in one piece.



✓ ALLOWED

Three shaded cells, none side by side, and one piece of white.



✗ NOT ALLOWED

Two shaded cells side by side.

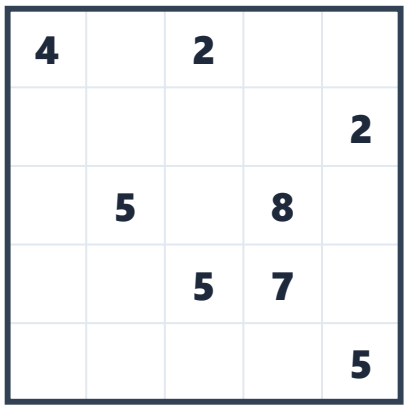


✗ NOT ALLOWED

The top-left cell is cut off from the other white cells.

Puzzle #1 INTRO

5 × 5

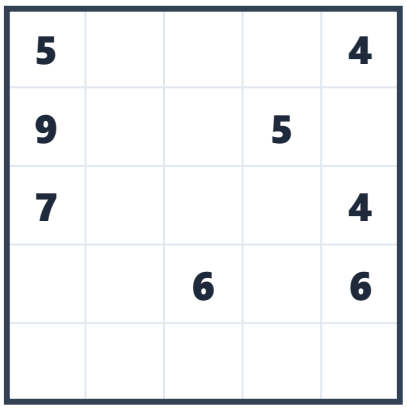


Play online: kurodoko/#1

AZTest · aztest.org

Puzzle #2 INTRO

5 × 5

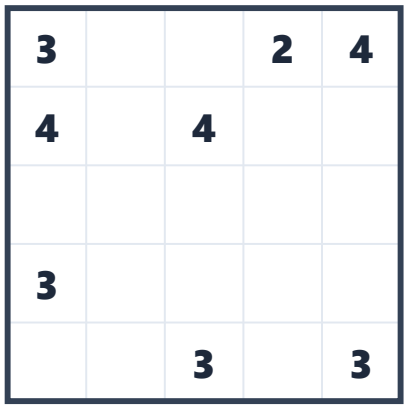


Play online: kurodoko/#2

AZTest · aztest.org

Puzzle #3 INTRO

5 × 5

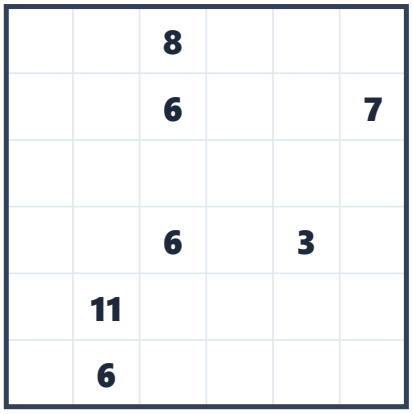


Play online: kurodoko/#3

AZTest · aztest.org

Puzzle #4 EASY

6 × 6



Play online: kurodoko/#4

AZTest · aztest.org

Puzzle #5 EASY

6 × 6

3		5			5
					2
				3	
	9				
2					3
	6				

Play online: kurodoko/#6

AZTest · aztest.org

Puzzle #6 EASY

6 × 6

4				2	
9					
			8		4
					4
	3				

Play online: kurodoko/#8

AZTest · aztest.org

Puzzle #7 EASY

6 × 6

	6				5
					7
	6				
7			6	11	6

Play online: kurodoko/#10

AZTest · aztest.org

Puzzle #8 EASY

6 × 6

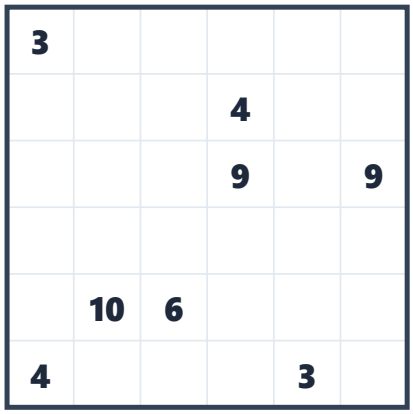
		4			
	6		6	4	4
				6	
			6		
					3
		7			

Play online: kurodoko/#12

AZTest · aztest.org

Puzzle #9 EASY

6 × 6

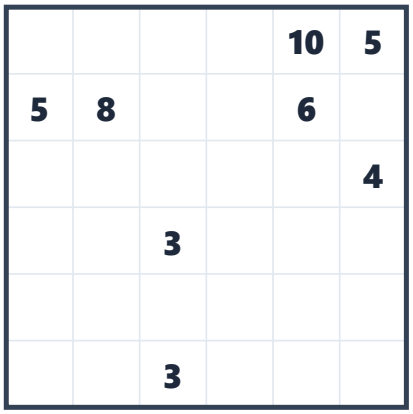


Play online: kurodoko/#14

AZTest · aztest.org

Puzzle #10 EASY

6 × 6

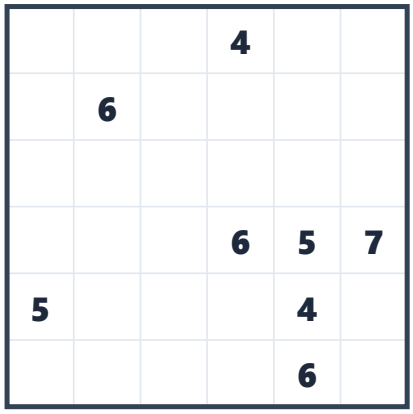


Play online: kurodoko/#15

AZTest · aztest.org

Puzzle #11 EASY

6 × 6

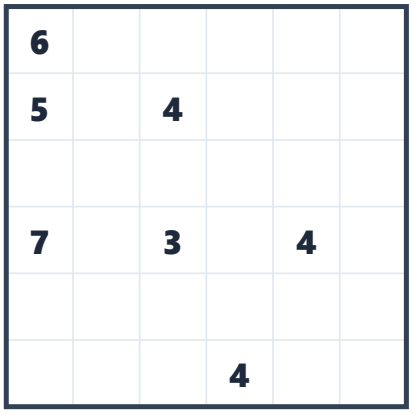


Play online: kurodoko/#17

AZTest · aztest.org

Puzzle #12 EASY

6 × 6

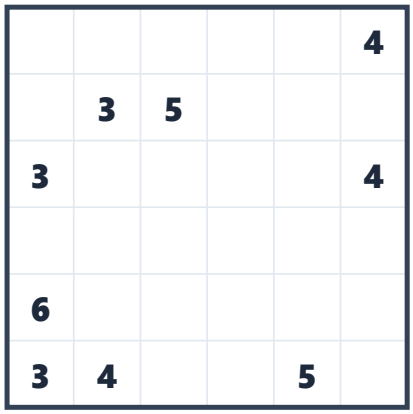


Play online: kurodoko/#19

AZTest · aztest.org

Puzzle #13 EASY

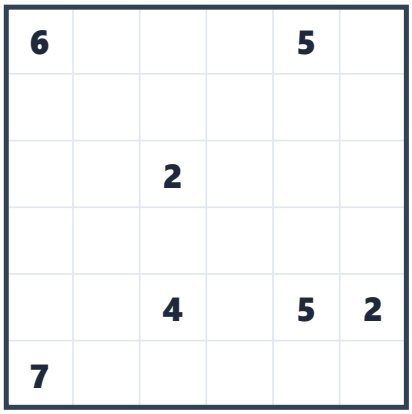
6 × 6



Play online: kurodoko/#21 AZTest · aztest.org

Puzzle #14 EASY

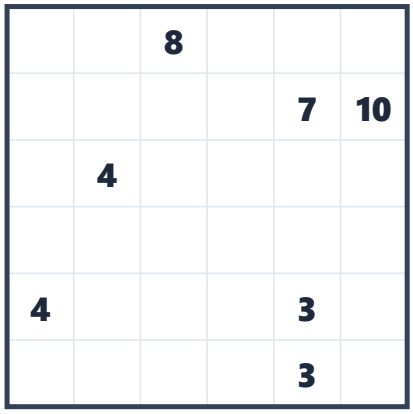
6 × 6



Play online: kurodoko/#23 AZTest · aztest.org

Puzzle #15 EASY

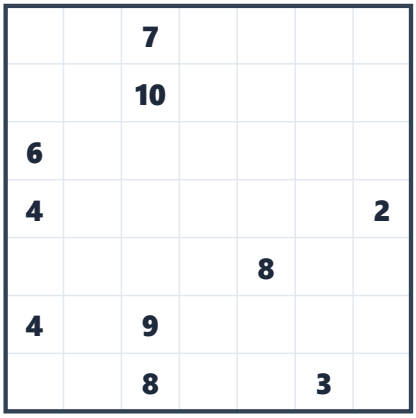
6 × 6



Play online: kurodoko/#25 AZTest · aztest.org

Puzzle #16 MEDIUM

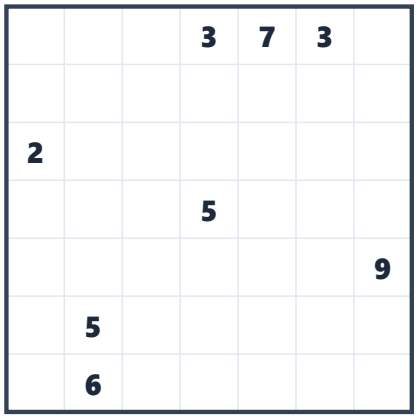
7 × 7



Play online: kurodoko/#26 AZTest · aztest.org

Puzzle #17 MEDIUM

7 × 7

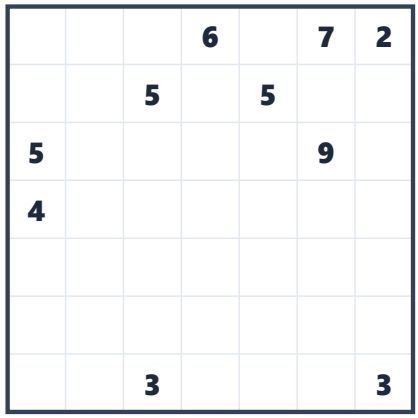


Play online: kurodoko/#28

AZTest · aztest.org

Puzzle #18 MEDIUM

7 × 7

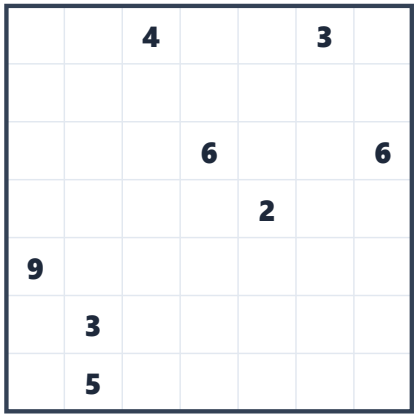


Play online: kurodoko/#30

AZTest · aztest.org

Puzzle #19 MEDIUM

7 × 7

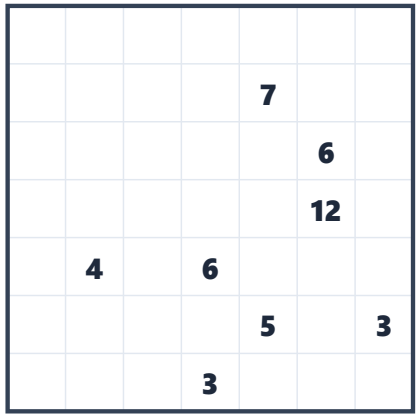


Play online: kurodoko/#33

AZTest · aztest.org

Puzzle #20 MEDIUM

7 × 7

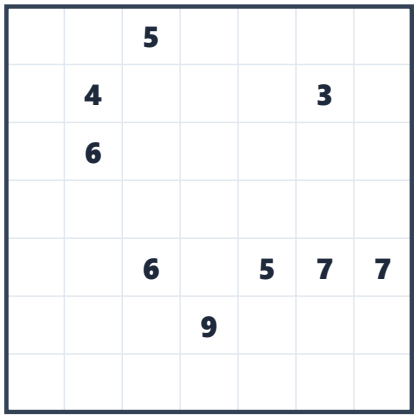


Play online: kurodoko/#35

AZTest · aztest.org

Puzzle #21 MEDIUM

7 × 7

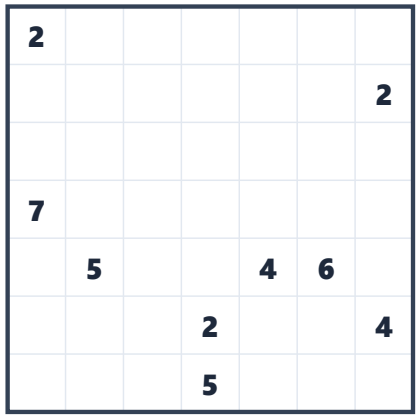


Play online: kurodoko/#37

AZTest · aztest.org

Puzzle #22 MEDIUM

7 × 7

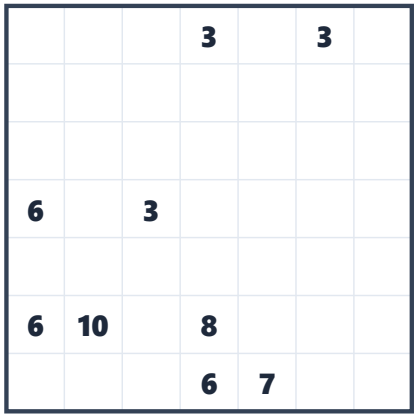


Play online: kurodoko/#39

AZTest · aztest.org

Puzzle #23 MEDIUM

7 × 7

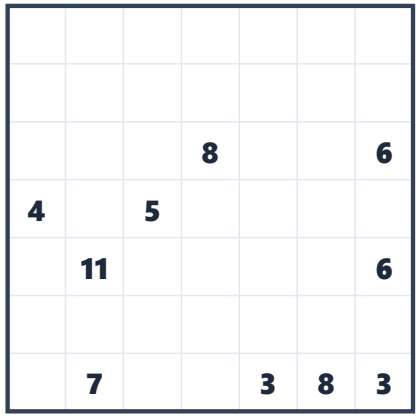


Play online: kurodoko/#41

AZTest · aztest.org

Puzzle #24 MEDIUM

7 × 7

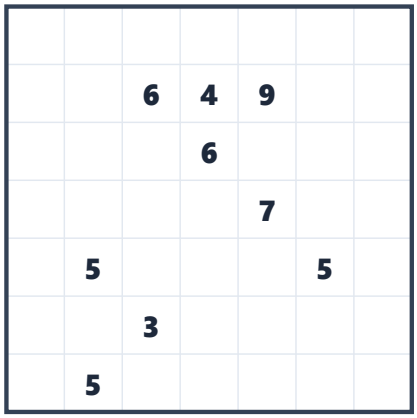


Play online: kurodoko/#43

AZTest · aztest.org

Puzzle #25 MEDIUM

7 × 7

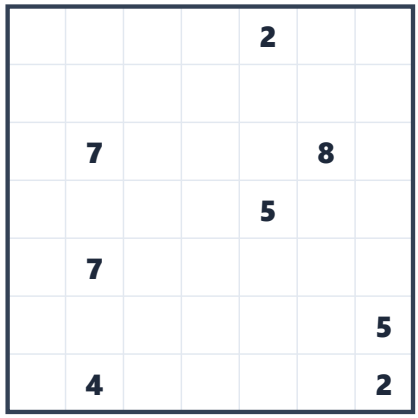


Play online: kurodoko/#46

AZTest · aztest.org

Puzzle #26 MEDIUM

7 × 7

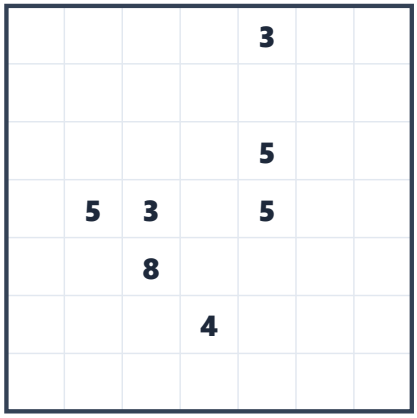


Play online: kurodoko/#48

AZTest · aztest.org

Puzzle #27 MEDIUM

7 × 7

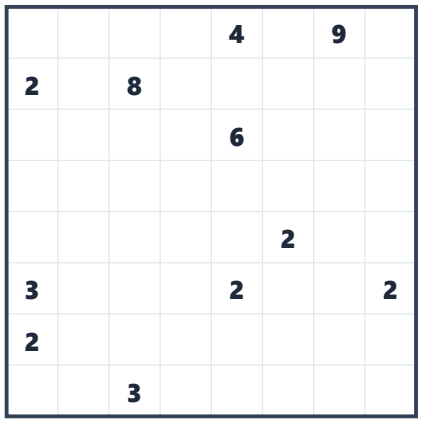


Play online: kurodoko/#50

AZTest · aztest.org

Puzzle #28 HARD

8 × 8



Play online: kurodoko/#51

AZTest · aztest.org

Puzzle #29 HARD

8 × 8

	4						6
7			4				
			6				
					3		
	2						7
	3			6			
							2

Play online: kurodoko/#53

AZTest · aztest.org

Puzzle #30 HARD

8 × 8

				7			
				3		4	
2					8		
			7		4	5	
4							
		3					
							2

Play online: kurodoko/#55

AZTest · aztest.org

Puzzle #31 HARD

8 × 8

				2			
							3
					4		
2		5					
						8	
3					5		
							3
	8		6				

Play online: kurodoko/#58

AZTest · aztest.org

Puzzle #32 HARD

8 × 8

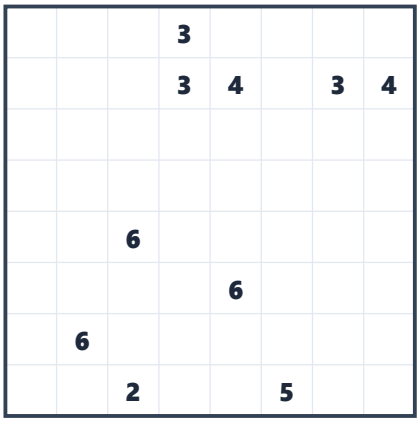
	2						
			7		2		5
3							
			5				
	4				5		
			3			4	

Play online: kurodoko/#60

AZTest · aztest.org

Puzzle #33 HARD

8 × 8

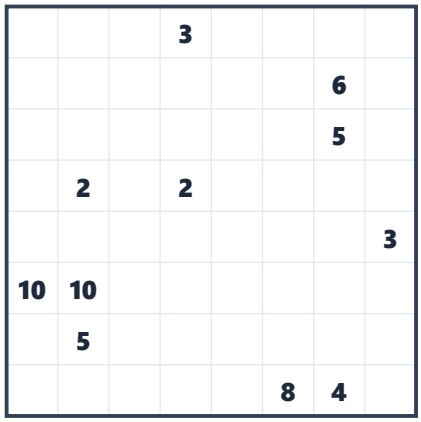


Play online: kurodoko/#62

AZTest · aztest.org

Puzzle #34 HARD

8 × 8

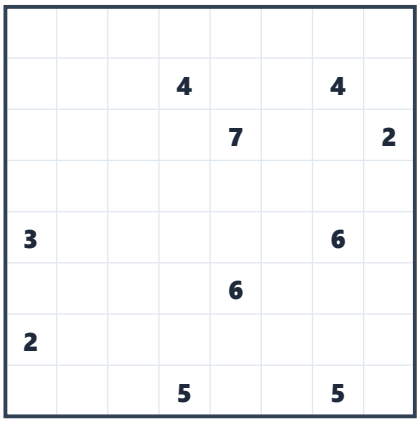


Play online: kurodoko/#64

AZTest · aztest.org

Puzzle #35 HARD

8 × 8

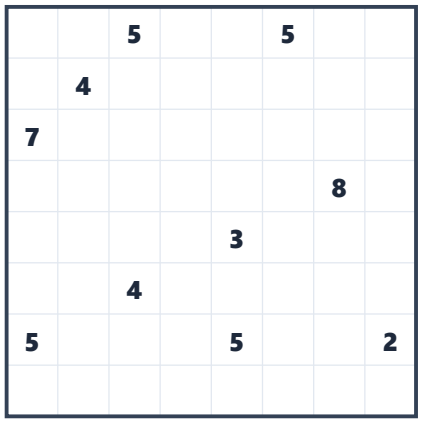


Play online: kurodoko/#66

AZTest · aztest.org

Puzzle #36 HARD

8 × 8

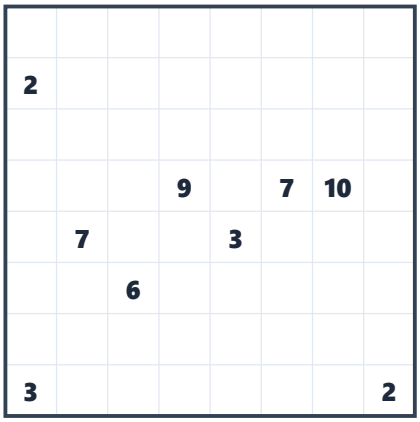


Play online: kurodoko/#68

AZTest · aztest.org

Puzzle #37 HARD

8 × 8

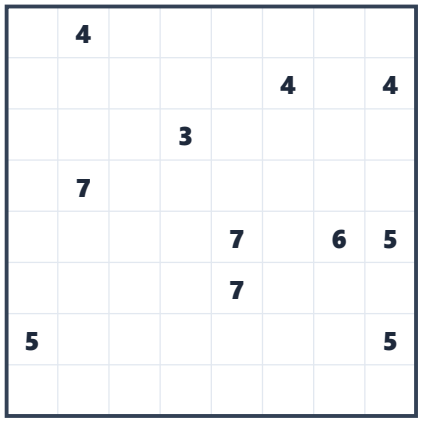


Play online: kurodoko/#71

AZTest · aztest.org

Puzzle #38 HARD

8 × 8

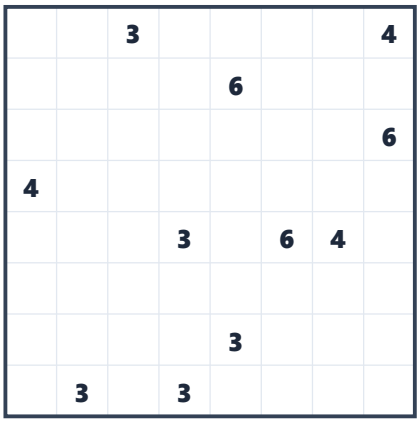


Play online: kurodoko/#73

AZTest · aztest.org

Puzzle #39 HARD

8 × 8

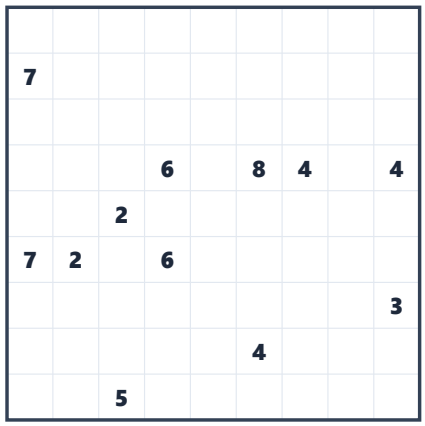


Play online: kurodoko/#75

AZTest · aztest.org

Puzzle #40 EXPERT

9 × 9

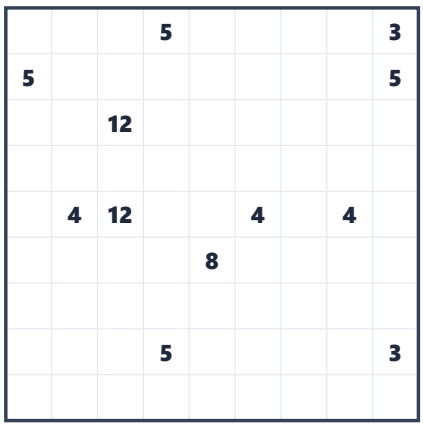


Play online: kurodoko/#76

AZTest · aztest.org

Puzzle #41 EXPERT

9 × 9

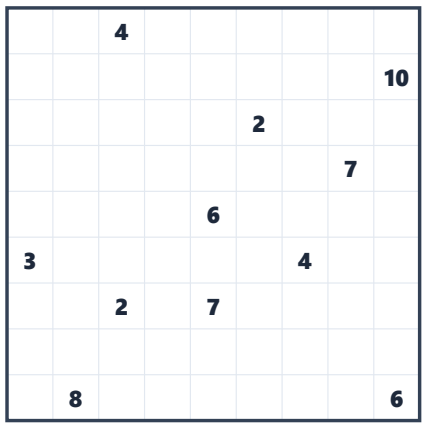


Play online: kurodoko/#78

AZTest · aztest.org

Puzzle #42 EXPERT

9 × 9

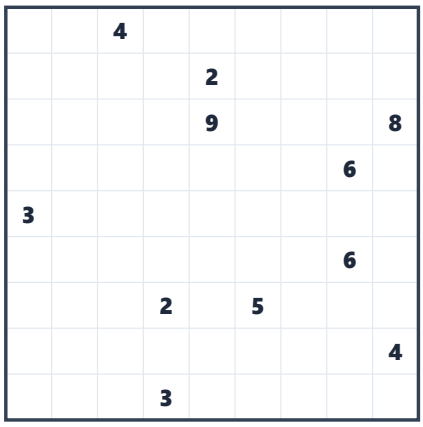


Play online: kurodoko/#81

AZTest · aztest.org

Puzzle #43 EXPERT

9 × 9

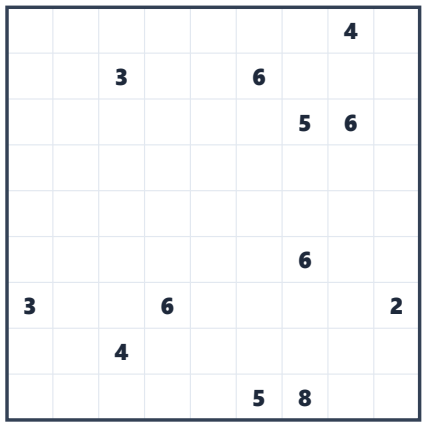


Play online: kurodoko/#83

AZTest · aztest.org

Puzzle #44 EXPERT

9 × 9

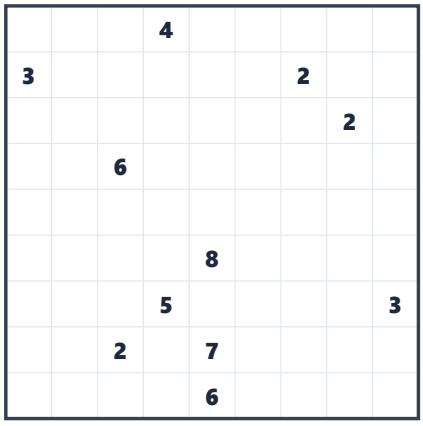


Play online: kurodoko/#86

AZTest · aztest.org

Puzzle #45 EXPERT

9 × 9

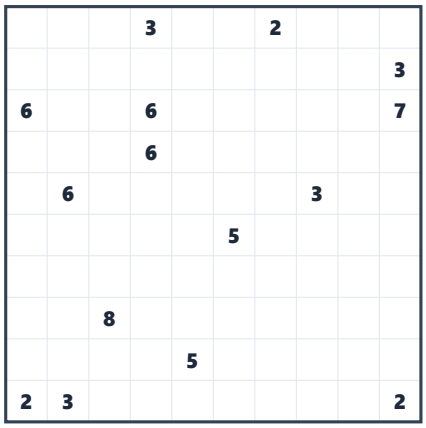


Play online: kurodoko/#88

AZTest · aztest.org

Puzzle #46 EXPERT

10 × 10

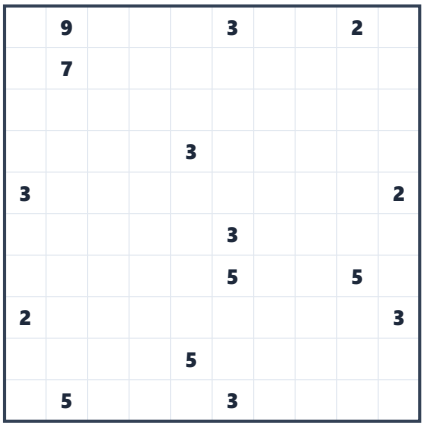


Play online: kurodoko/#90

AZTest · aztest.org

Puzzle #47 EXPERT

10 × 10

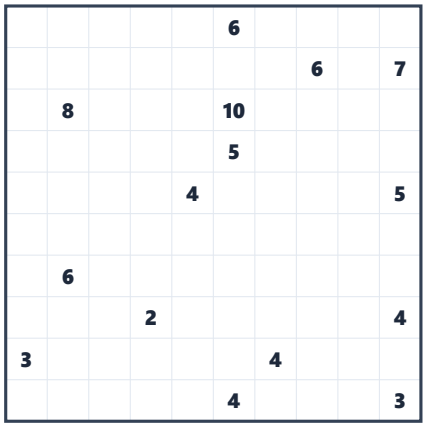


Play online: kurodoko/#93

AZTest · aztest.org

Puzzle #48 EXPERT

10 × 10

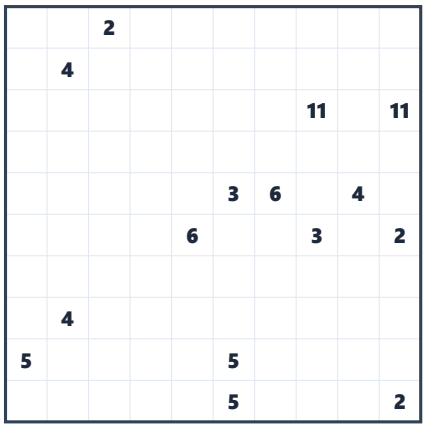


Play online: kurodoko/#95

AZTest · aztest.org

Puzzle #49 EXPERT

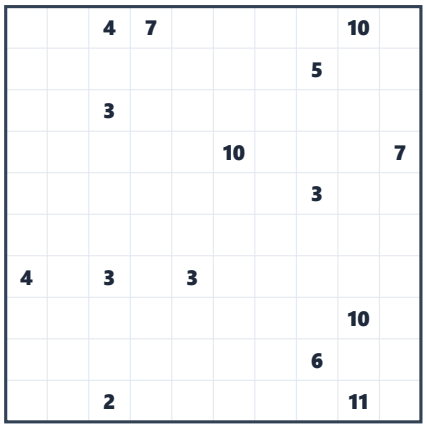
10 × 10



Play online: kurodoko/#98 AZTest · aztest.org

Puzzle #50 EXPERT

10 × 10



Play online: kurodoko/#100 AZTest · aztest.org

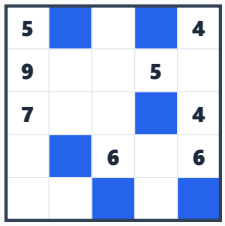
KURODOKO SOLUTIONS

Complete solved grids for Puzzles #1 to #12

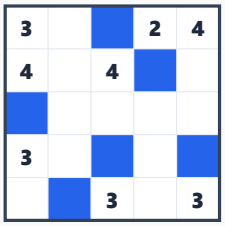
Puzzle #1
Intro (5×5)



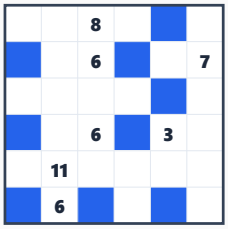
Puzzle #2
Intro (5×5)



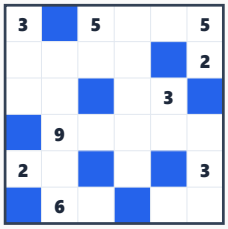
Puzzle #3
Intro (5×5)



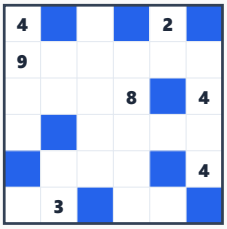
Puzzle #4
Easy (6×6)



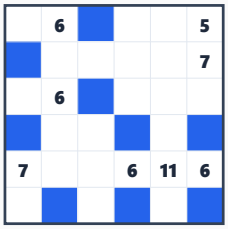
Puzzle #5
Easy (6×6)



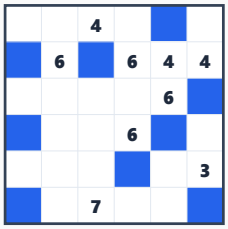
Puzzle #6
Easy (6×6)



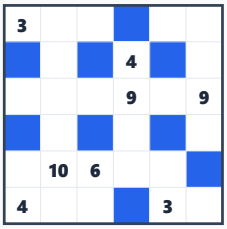
Puzzle #7
Easy (6×6)



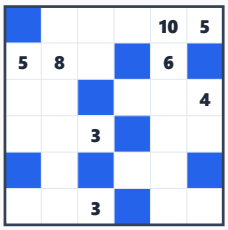
Puzzle #8
Easy (6×6)



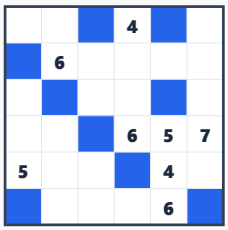
Puzzle #9
Easy (6×6)



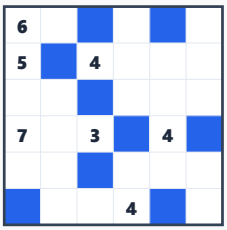
Puzzle #10
Easy (6×6)



Puzzle #11
Easy (6×6)



Puzzle #12
Easy (6×6)

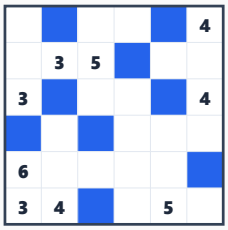


KURODOKO SOLUTIONS

Complete solved grids for Puzzles #13 to #24

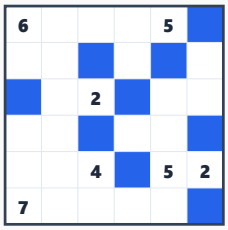
Puzzle #13

Easy (6×6)



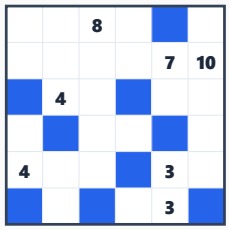
Puzzle #14

Easy (6×6)



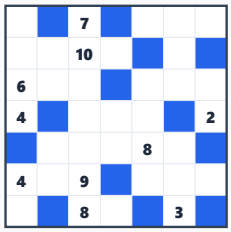
Puzzle #15

Easy (6×6)



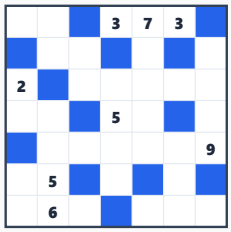
Puzzle #16

Medium (7×7)



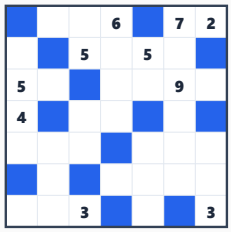
Puzzle #17

Medium (7×7)



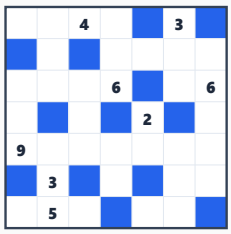
Puzzle #18

Medium (7×7)



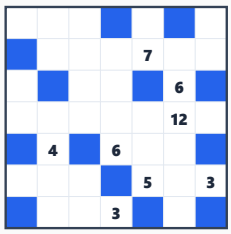
Puzzle #19

Medium (7×7)



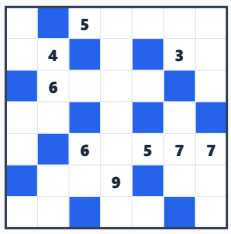
Puzzle #20

Medium (7×7)



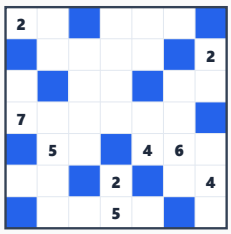
Puzzle #21

Medium (7×7)



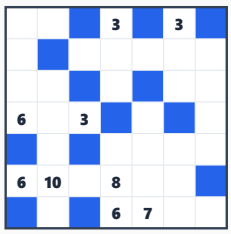
Puzzle #22

Medium (7×7)



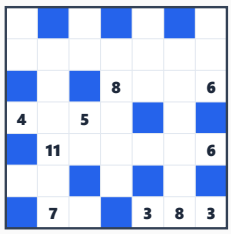
Puzzle #23

Medium (7×7)



Puzzle #24

Medium (7×7)

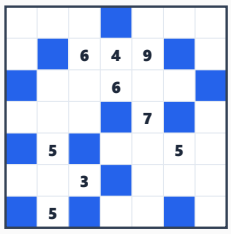


KURODOKO SOLUTIONS

Complete solved grids for Puzzles #25 to #36

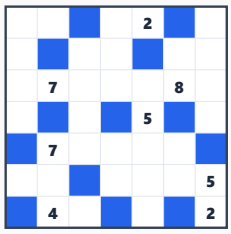
Puzzle #25

Medium (7×7)



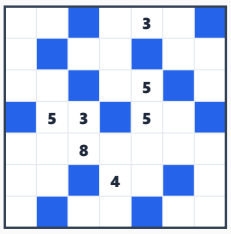
Puzzle #26

Medium (7×7)



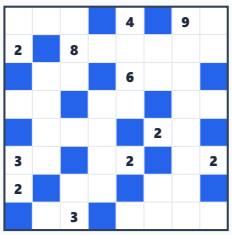
Puzzle #27

Medium (7×7)



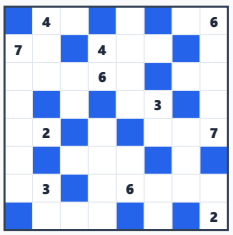
Puzzle #28

Hard (8×8)



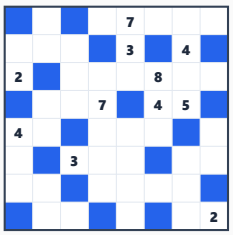
Puzzle #29

Hard (8×8)



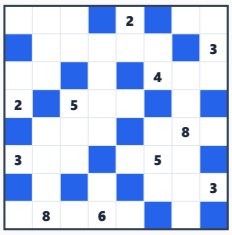
Puzzle #30

Hard (8×8)



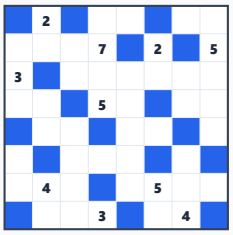
Puzzle #31

Hard (8×8)



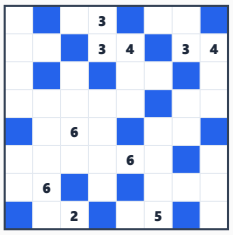
Puzzle #32

Hard (8×8)



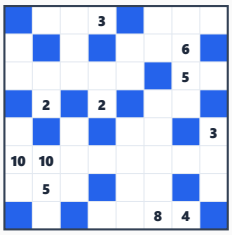
Puzzle #33

Hard (8×8)



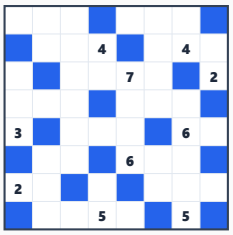
Puzzle #34

Hard (8×8)



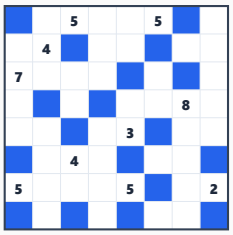
Puzzle #35

Hard (8×8)



Puzzle #36

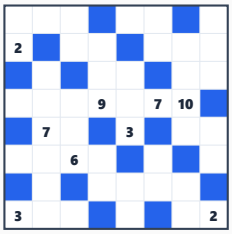
Hard (8×8)



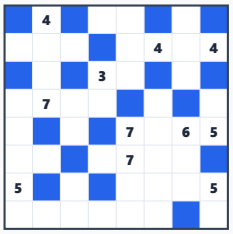
KURODOKO SOLUTIONS

Complete solved grids for Puzzles #37 to #48

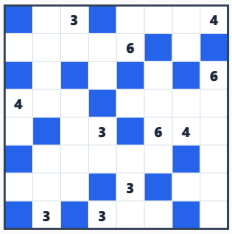
Puzzle #37
Hard (8×8)



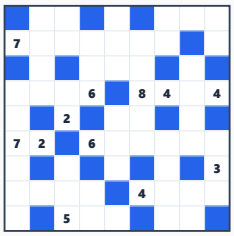
Puzzle #38
Hard (8×8)



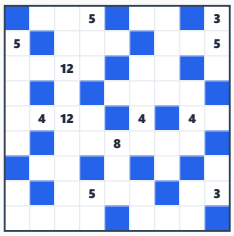
Puzzle #39
Hard (8×8)



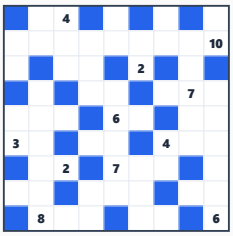
Puzzle #40
Expert (9×9)



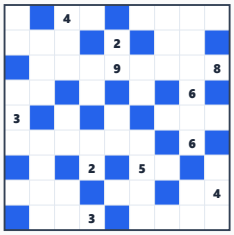
Puzzle #41
Expert (9×9)



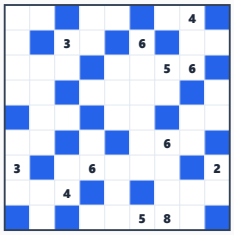
Puzzle #42
Expert (9×9)



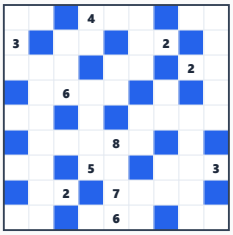
Puzzle #43
Expert (9×9)



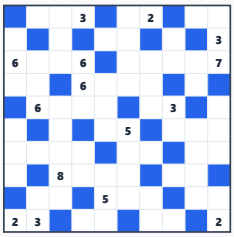
Puzzle #44
Expert (9×9)



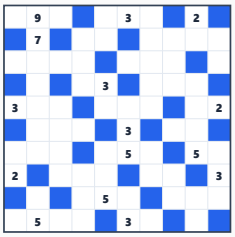
Puzzle #45
Expert (9×9)



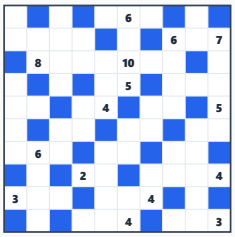
Puzzle #46
Expert (10×10)



Puzzle #47
Expert (10×10)



Puzzle #48
Expert (10×10)

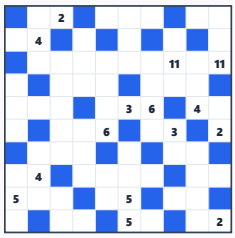


KURODOKO SOLUTIONS

Complete solved grids for Puzzles #49 to #50

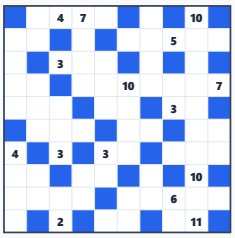
Puzzle #49

Expert (10×10)



Puzzle #50

Expert (10×10)



Congratulations on completing the puzzles!

Visit aztest.org/puzzles/ for 25+ free logic puzzle games, brain teasers, and cognitive exercises.