



**LOCKDOWN**

**PLAYBOOK**

**FOR GROWN UPS**

**#StayPutBeLekker**

**KingPrice**<sup>TM</sup>  
INSURANCE

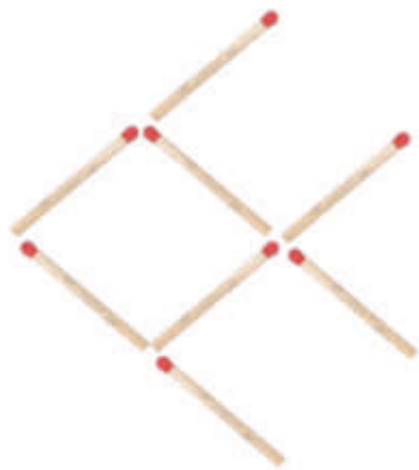
FSP no. 43862

# MATCHSTIX PUZZLES

1. Move 2 matchstick so the glass is reformed without the coin inside



2. Can you make the fish swim in the opposite direction by moving only 3 matchsticks?



3. Move 1 matchstick to make a correct equation



4. Change 3 matchsticks into 6 without breaking any of them



5. Using just 6 matchsticks, make 4 equilateral triangles



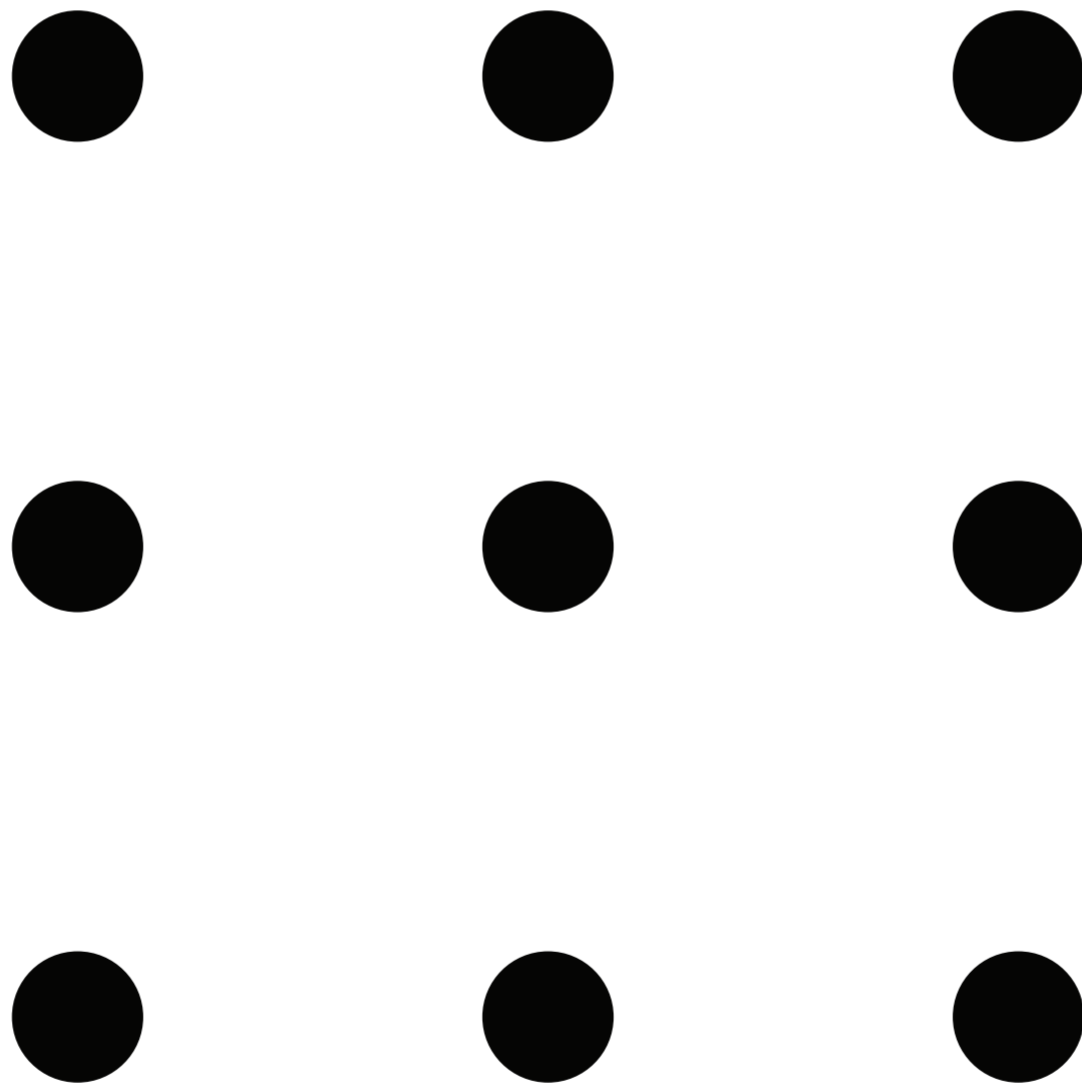
6. Move 3 matchsticks to make 4 equilateral triangles



# 9 DOTS PROBLEM

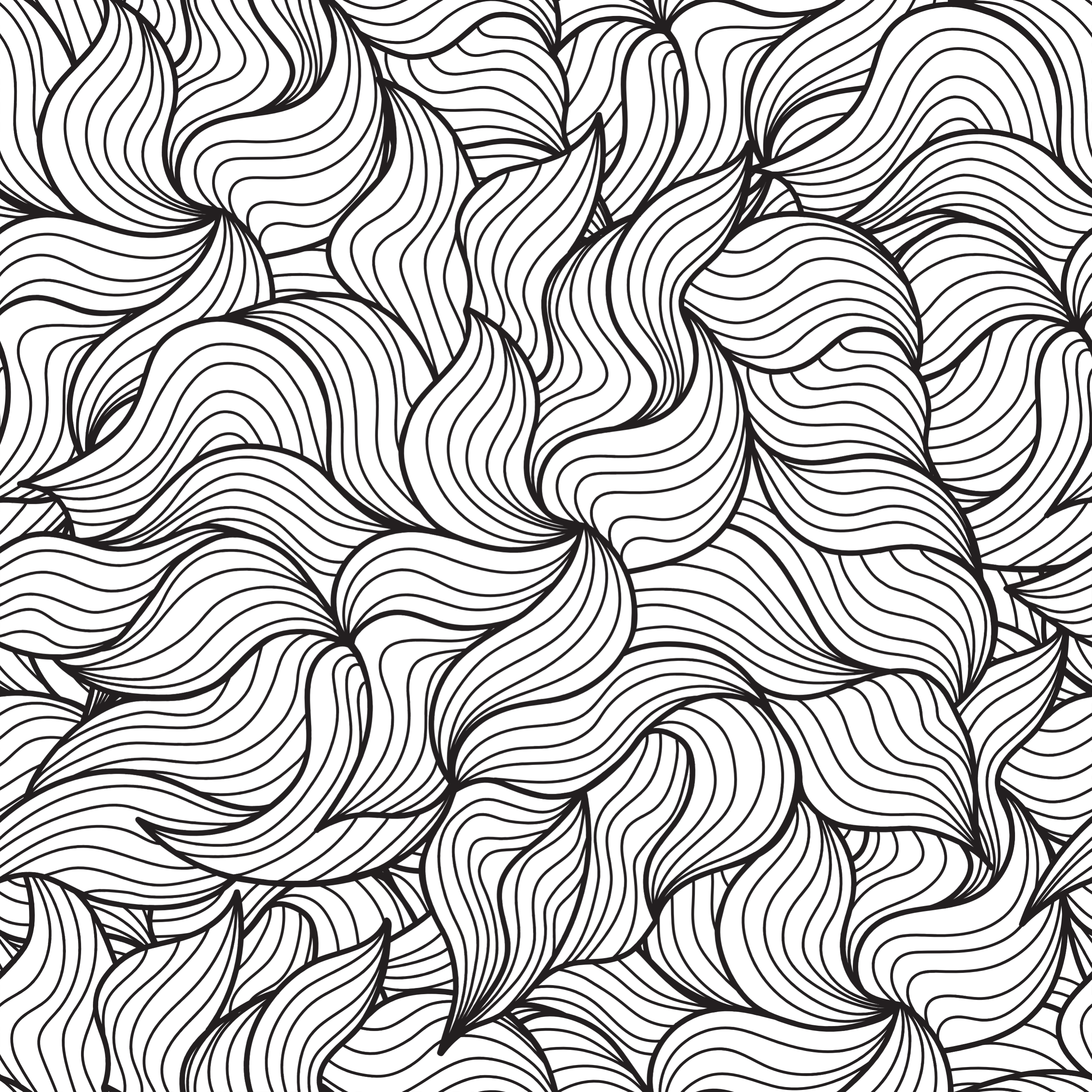
## Instructions:

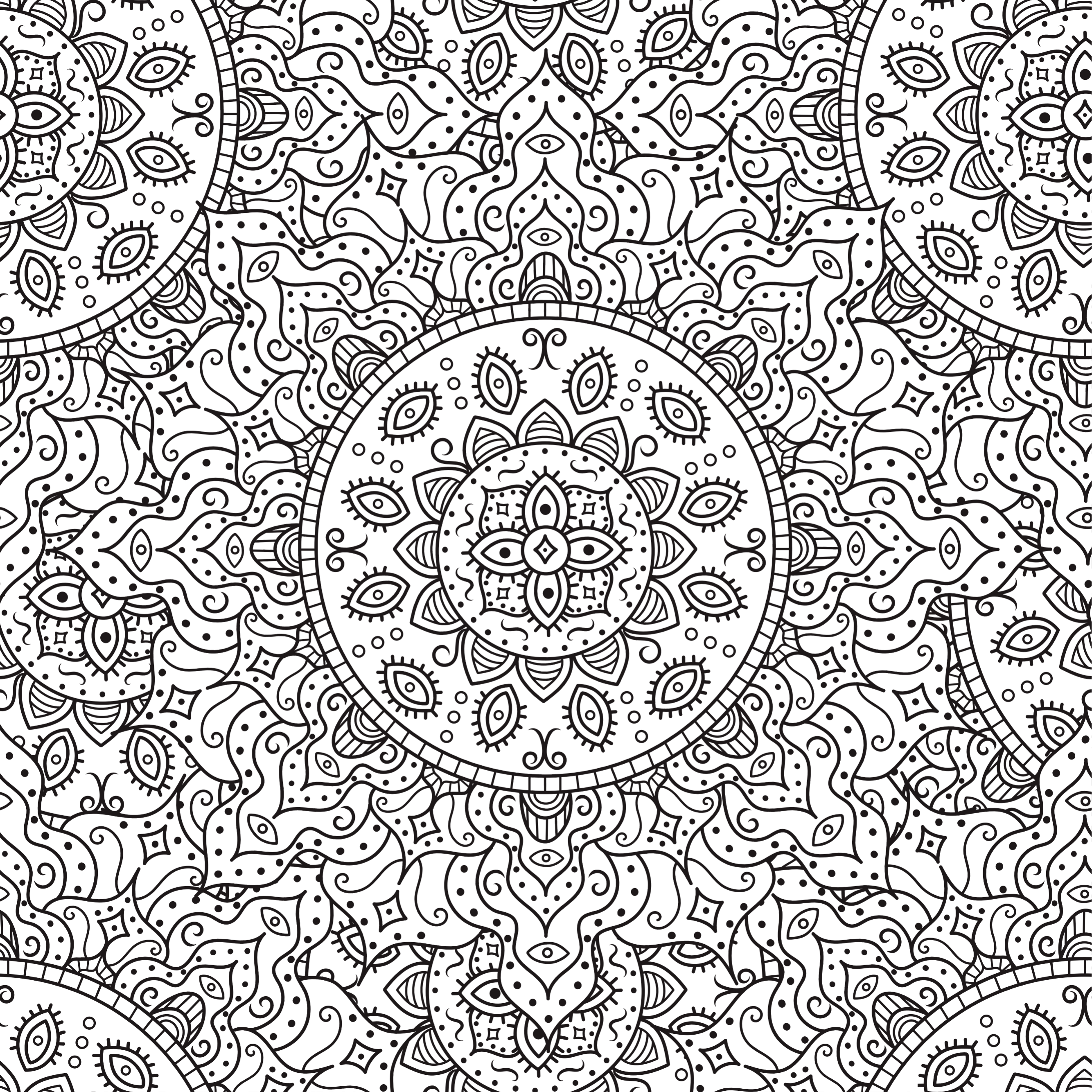
WITHOUT taking your pencil off the paper, draw 4 straight lines through each dot. You can only go through each dot ONCE! Remember that each line has to be a straight line, and you can only draw 4 lines. Draw more boards if you need to.





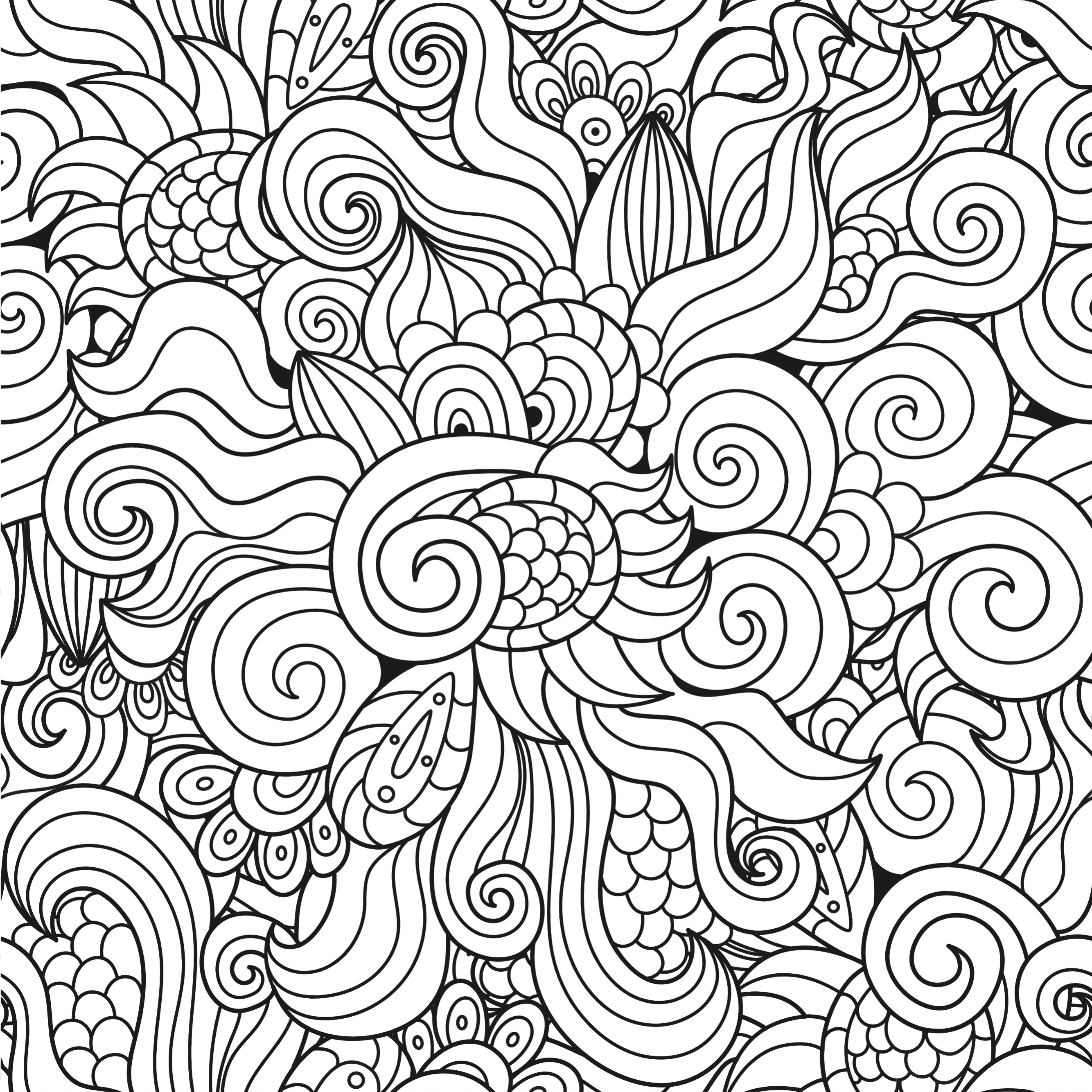












# SUDOKU

## Instructions:

Fill in the blank squares so that each row, each column and each 3-by-3 block contain all of the digits 1 thru 9. If you use logic you can solve the puzzle without guesswork.

Need a little help? The hints page shows a logical order to solve the puzzle.

Use it to identify the next square you should solve. Or use the answer page if you really get stuck.

## EXAMPLE

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

## ANSWER

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

An answer sheet is at the end of all the exercises.

### SUDOKU #1

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

### SUDOKU #2

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

### SUDOKU #3

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

### SUDOKU #4

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

**SUDOKU #5**

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

**SUDOKU #6**

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

**SUDOKU #7**

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

**SUDOKU #8**

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

# HINTS

Sudoku #1

42	43			44	22	9	23	
45	24	10	46	47	25			11
	26			48	27			1
12		13		28	14	29	30	
			2		3			
	15	4	31	32		16		5
17			33	34			6	
35			36	37	38	18	39	40
	19	7	8	41			20	21

Sudoku #2

	14	12	11			15	13	
48	39	25		40			26	
27			9	28	5		29	30
41	42				1		31	43
32		18	6	7	2	16		33
19	20		8				21	22
44	49		10	45	3			34
	46			47		23	35	36
	37	38			4	17	24	

Sudoku #3

33	34	10		35		11	12	
13	14	4		5				
15		16		49	36	17	18	
6	37		1	38				19
20	39		21	40	22		41	42
7				43	8		23	9
	44	2	24	45		25		26
				46		27	28	29
	47	3		48		30	31	32

Sudoku #4

				15	1	16	2	
39	26	50		40		41		
42		43	27	44		45	3	28
		17	18	46	47	48		29
4	5	6				19	20	7
8		9	10	49	30	31		
32	21	33		34	22	35		23
		36		37		24	11	12
	13	38	14	25				

Sudoku #5

30		22		3	12	31		13
14		15	8			16		
	49	41		4	9		23	17
42	43	50	51		32	44	33	
37			38	5	24			18
	45	46	47		34	48	25	19
36	35		6	1		26	27	
		28			10	20		11
39		40	7	2		29		21

Sudoku #6

20		21	46	34	35		22	
	23				1	8	9	
	24	10	36	37		25		2
	26	27	28			3	4	
11			47	38	39			5
	12	6			29	13	14	
15		16		30	40	17	31	
	41	18	42				32	
	43		44	45	33	19		7

Sudoku #7

38			7	39		8	40	22
41	23	9			42		43	24
44	25			45	46		47	
26			1			10		11
12		2	13		14	3		15
27		16			4			17
	28		5	29			30	31
32	33		18			6	34	19
35	36	20		48	37			21

Sudoku #8

10	11	12		27		13	14	
15	16		17	46	28	5		
6		18	29	30				1
	19	47		31	20		48	
		32	2	49	33	34		
	21		22	35		36	37	
7				38	23	24		3
		25	39	40	41		42	8
	26	9		43		44	45	4

# ANSWERS

## Sudoku #1

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

## Sudoku #2

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

## Sudoku #3

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

## Sudoku #4

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

## Sudoku #5

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

## Sudoku #6

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

## Sudoku #7

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

## Sudoku #8

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

### SUDOKU #1

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

### SUDOKU #2

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

### SUDOKU #3

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

### SUDOKU #4

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

### SUDOKU #5

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

### SUDOKU #6

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

### SUDOKU #7

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

### SUDOKU #8

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



# HINTS

Sudoku #1

19				20	44	45	30	46
7		1	31					32
		8	47	33	34		35	21
48			36			37	22	38
49	23		39	40	41		24	42
9	10	2			11			12
43	25		26	27	13	3		
14					15	4		5
28	16	17	29	18				6

Sudoku #2

		15	40	41	24		25	
16	17	10			18	11	12	13
	19			20	26	42		43
	21	7	44		27	28		29
1	4			2			45	46
14		8	47		30	31	32	
5		6	48	3			33	
22	49	9	50			34	35	36
	37		51	38	23	39		

Sudoku #3

35	30				31	1	24	32
		2	47	15	48	3	25	26
36			49	16	37			27
	4			5			6	7
33	28		17	8	18		19	20
50	38			9			10	
39			40	11	41			29
42	34	21	51	12	43	13		
44	45	14	46				22	23

Sudoku #4

28			42	14	29		15	16
30	31				17	5	6	18
	19				7	8	1	
32			33		20	9	21	22
			23	10	11			
43	44	2	34		24			25
	45	12	35				3	
46	47	13	36				26	37
38	39		40	4	27			41

Sudoku #5

45	46				14	32	33	34
35	36	25	1	15		26		
	16	17		9				10
37	47		48		11	49	38	27
18				2				19
39	40	28	41		3		42	29
12				4		43	44	
		13		5	6	7	30	20
21	31	22	8				23	24

Sudoku #6

	21			5			6	7
22	8			1		9		2
23		24	10	3		11		12
41	25	42	26		43			27
	28	44	29		45	13	46	
30			31		32	14	33	34
47		35		15	16	17		36
48		37		18			19	38
39	40			4			20	

Sudoku #7

	27	28	42	43	29	44		
18	19	20	30			31		
9				32	33	21	7	22
		45		34			1	
2	35	46	47		36	37	5	23
	38			39		24		
10	11	12	25	26				13
		14			15	8	6	3
		16	48	40	41	17	4	

Sudoku #8

	1	2	8			3	4	
	14				9	23	24	25
	10		5	6	7			11
44	35	45	46			36	26	47
37			48	38	27			39
49	28	40			29	30	31	41
32			42	33	15		16	
43	17	34	18				19	
	20	21			12	22	13	

# ANSWERS

## Sudoku #1

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

## Sudoku #2

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

## Sudoku #3

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

## Sudoku #4

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

## Sudoku #5

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

## Sudoku #6

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

## Sudoku #7

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

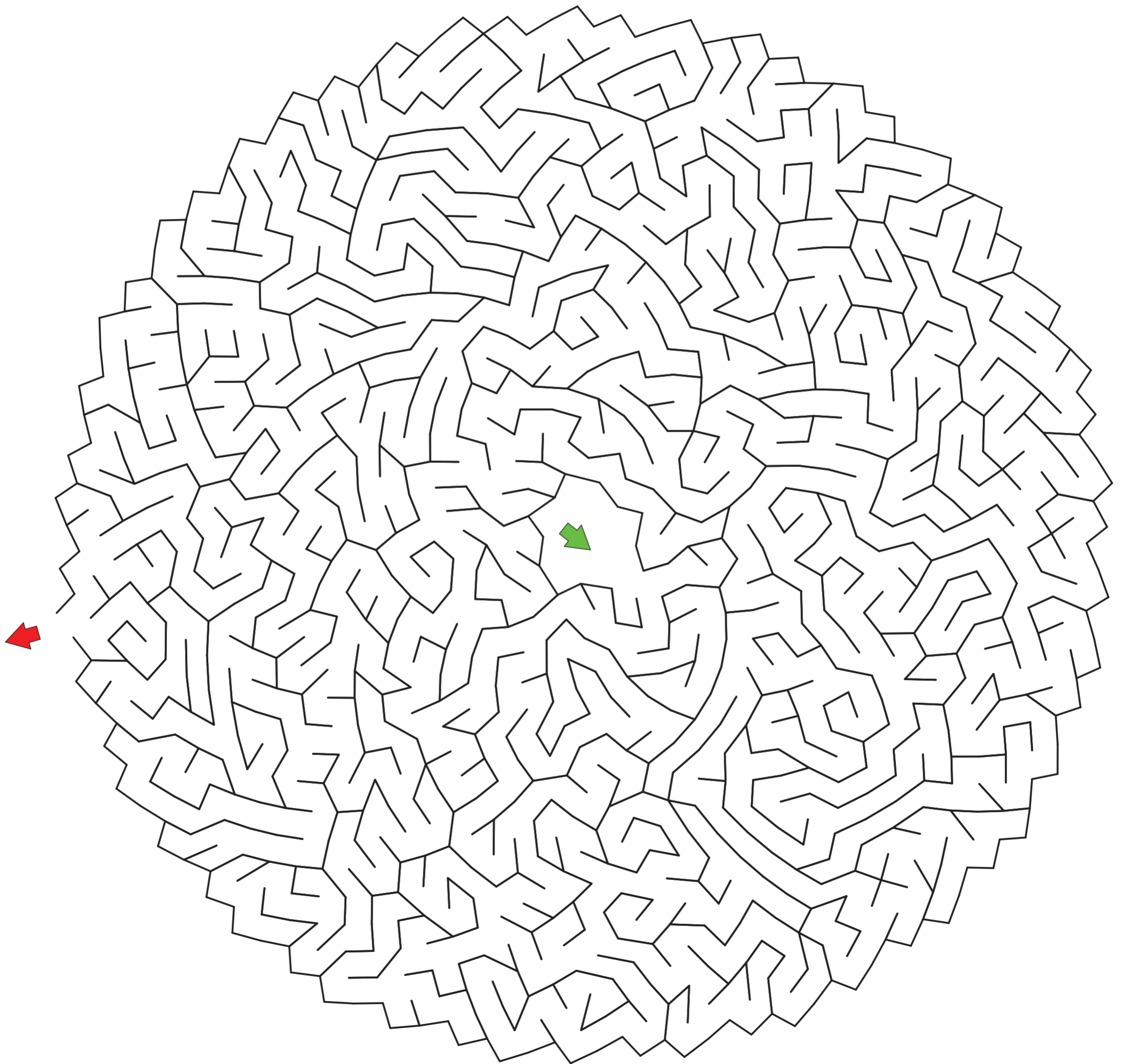
## Sudoku #8

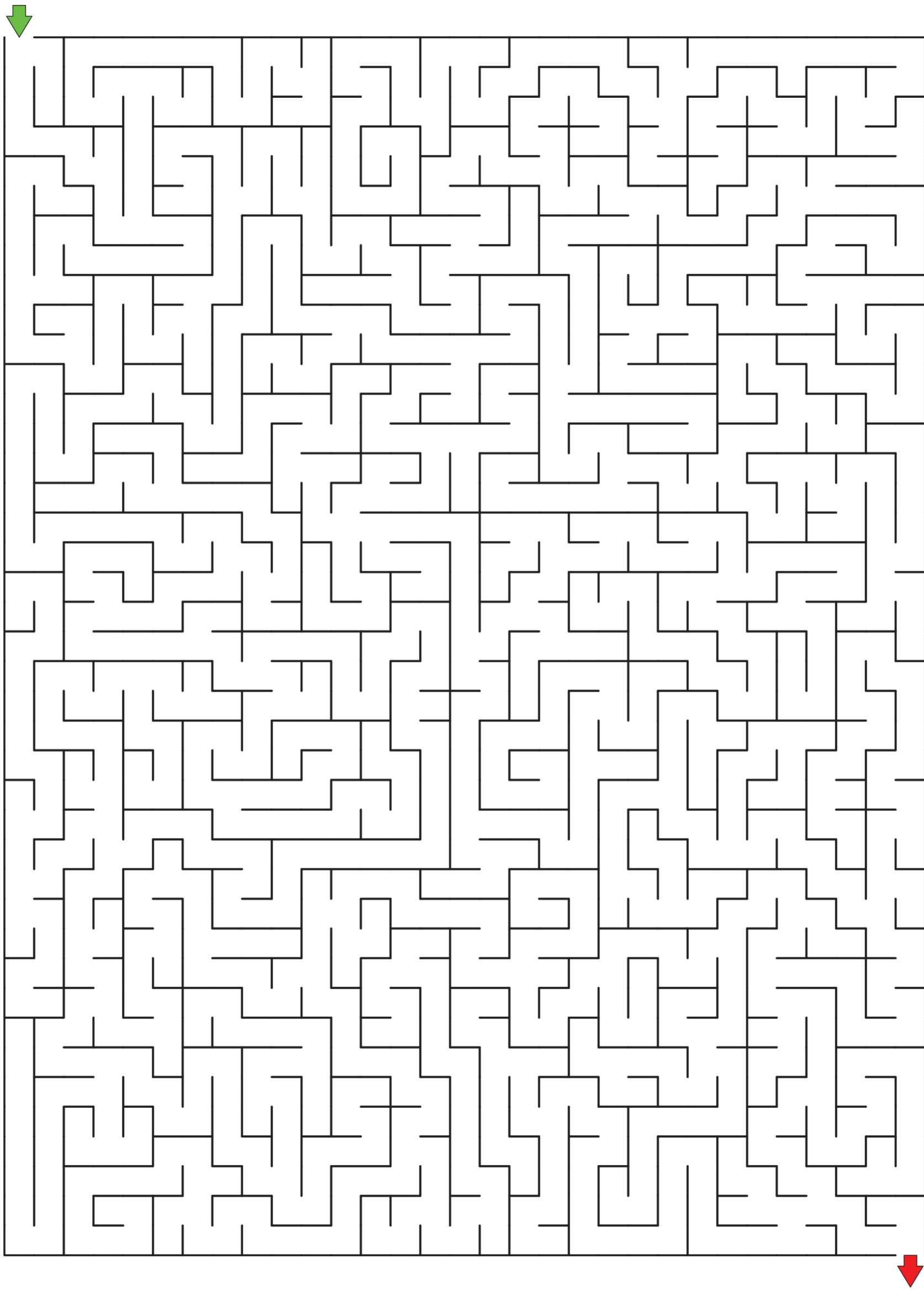
3	9	2	1	8	5	6	4	7
8	7	1	6	9	4	2	5	3
4	5	6	7	2	3	8	1	9
2	3	9	4	7	8	1	6	5
5	6	8	9	1	2	7	3	4
7	1	4	3	5	6	9	8	2
9	2	3	8	4	1	5	7	6
6	8	7	5	3	9	4	2	1
1	4	5	2	6	7	3	9	8

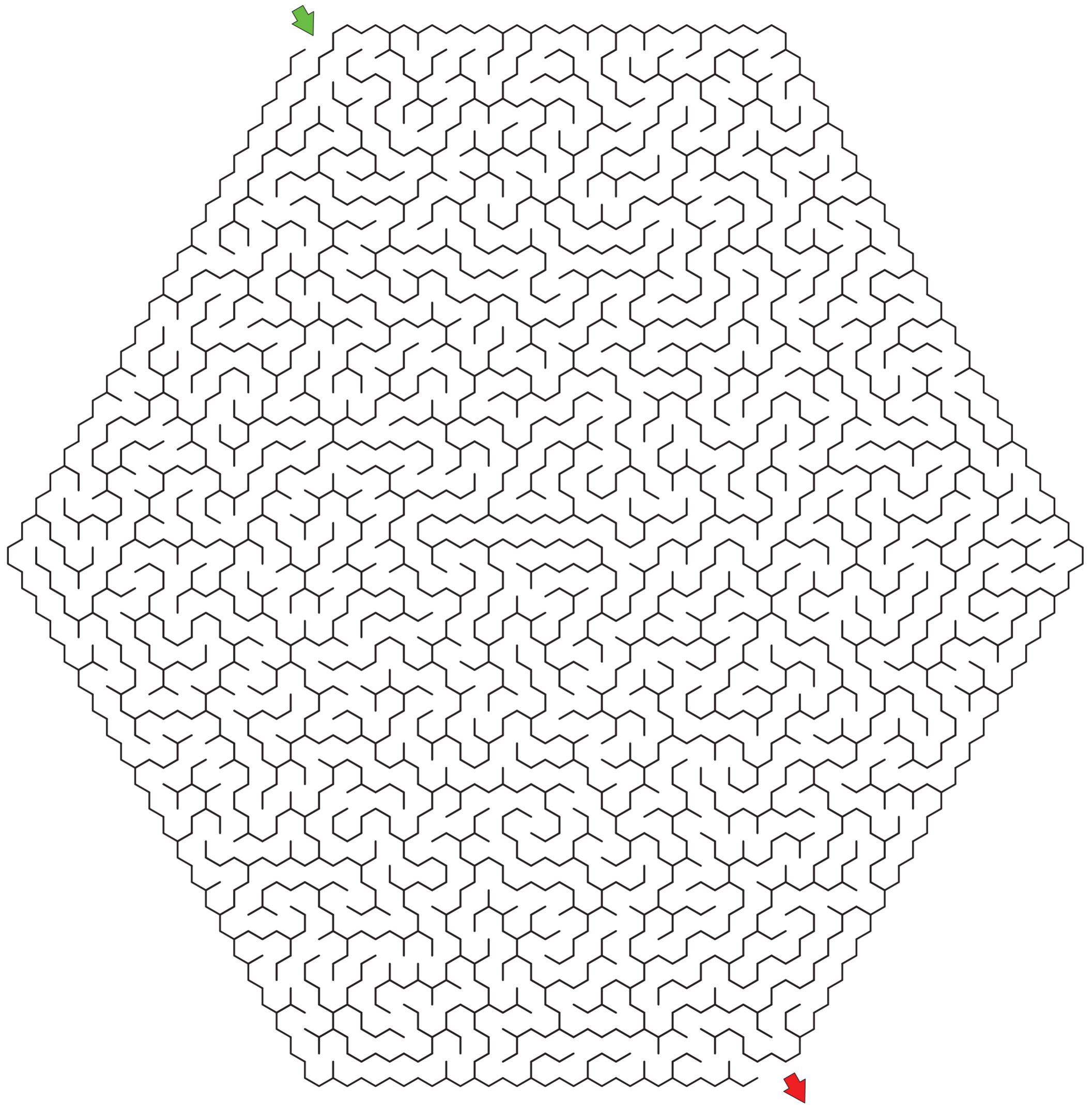
# GET TO KNOW YOUR PARTNER

1. If you could relive a year in your life, what age would you choose?
2. What physical features of mine do you hope our kids receive?
3. What is your favorite date of ours?
4. Have you ever been in a studio audience for a tv show?
5. If you had to do an extreme sport, what would you do?
6. What is a favorite charity you love and why?
7. When was the last time you read a magazine, played a CD, or read from a physical book?
8. Which of your parents are you most like?
9. Which of your siblings are you most like?
10. What's a new hobby you've always wanted to try?
11. What's something you've always wanted to learn how to do?
12. If you won the lottery, what would you do with the money?
13. What does your ideal day look like?
14. What would you do with a week of solitary confinement?
15. What's another career that you think you would enjoy?
16. What famous person would you want to meet and why?
17. Who do you wish we lived closer to?
18. Which game show do you think you could win?
19. How many days could you go without electricity?
20. How many days could you go without a phone?
21. How many telephone numbers do you actually have memorized?
22. If you went on a game show, which one would you want to be on?
23. What is the funniest prank you've ever played on someone?
24. Have you ever gotten in trouble playing a prank on someone?
25. If you could have a free punch to someone's face, who would it be and why?
26. Would you like to be on a jury?
27. What does your ideal Saturday look like in the Winter? Summer? Fall? Spring?
28. Who is the best boss you've ever had and why do you admire them?
29. Was there anything unusual about your birth?
30. Do you think you would make a good food critic?
31. Do you prefer looking at the sunrise or the sunset?
32. What was the best "pay it forward" kindness experience you've received?
33. Have you ever been stuck on an elevator?
34. What is a consistent compliment you've received throughout your life?
35. Do you have a celebrity doppelganger?
36. What event or party would you want to have VIP access to?
37. What is something you consistently asked Santa for as a child but never got?
38. What were your favorite books to read as a kid?
39. What was your favorite family tradition growing up?
40. What is something you hated as a kid but now appreciate?
41. Who was your favorite teacher in high school and why?
42. Did you ever do something to be sent to the principal's office?
43. What is your ideal party to attend?
44. Do you have a motto you like to live by?
45. What is one thing you never did in high school that you wish you did?
46. Did your family grow up with any funny or weird rules?
47. What are the most exciting things you have done on a dare?
48. What kind of videos do you watch on youtube most often?
49. Would you rather skydive, bungee jump, parasail, or hang glide?
50. If you had a clone, how would you utilize him or her?
51. If you could be the opposite gender for a day, what would you specifically do?
52. When should you tell a child about Santa Claus, the Tooth Fairy, or the Easter bunny?
53. If safety wasn't a concern, what natural phenomenon would you want to experience?
54. Would you rather put together a 20,000 piece puzzle or read a dictionary cover-to-cover?
55. If you were a guest on a talk show, what would you talk about?
56. What trivia game subject do you answer the most correct questions in?
57. Have you ever sung/acted/performed in front of an audience?
58. What celebrity should be cast as you if your life was put into a movie?
59. If you started a music group, what would your band name be?
60. Did you ever have a wish come true blowing out birthday candles?
61. What are some of the most comforting smells or scents to you?
62. What is the best toy every kid should have?
63. What was the kindest thing a stranger has ever done for you?
64. What restaurant would you choose to have on a deserted island with you?
65. What is the best life advice you have received and who said it?
66. If you started your own restaurant, what food would you serve?
67. What prop in a movie or television show would you pay money for?
68. What other languages would you want to learn?
69. What is the coolest thing you learned in a museum?
70. What song could you karaoke to?
71. What music album have you heard the most of?
72. Have you ever done a dare for money?
73. What is the longest you have gone without a shower?
74. What's your grossest personal habit?
75. What's the one thing you wish you could unsee?
76. If you could be reincarnated as someone else, who would it be and why?
77. If you had to date an animal, what kind of animal would you date?
78. What's the most embarrassing thing that ever happened to you in public?
79. What's the biggest secret you kept from your parents?
80. If you could trade places with your mom or dad for a day, who would you pick & what would you do?
81. If you could trade places with a famous person, who would it be and what would you do?
82. If you could write your own law that everyone had to follow, what would it be?
83. If you could do anything without getting caught, what would it be?
84. Would you rather eat fish food or cat food?
85. If you could prank anyone without getting caught, who would it be and what would you do?
86. When is the last time you lied to a friend to get out of doing something?
87. What is the best lie you have ever told without getting caught (until now)?
88. Coffee or tea?
89. Chocolate or chips?
90. What animal most closely resembles you and why?
91. What do you resent and why?
92. What is your biggest regret and why?
93. What are you the proudest of and why?
94. What is your biggest pet peeve?
95. How many people have you kissed?
96. What is your biggest turn-off?
97. Have you ever gotten mad at a friend for posting an unflattering photo of you?
98. Who was the last person you cyberstalked?
99. Have you ever had a crush on a teacher?
100. What is my most attractive feature?

# MAZES







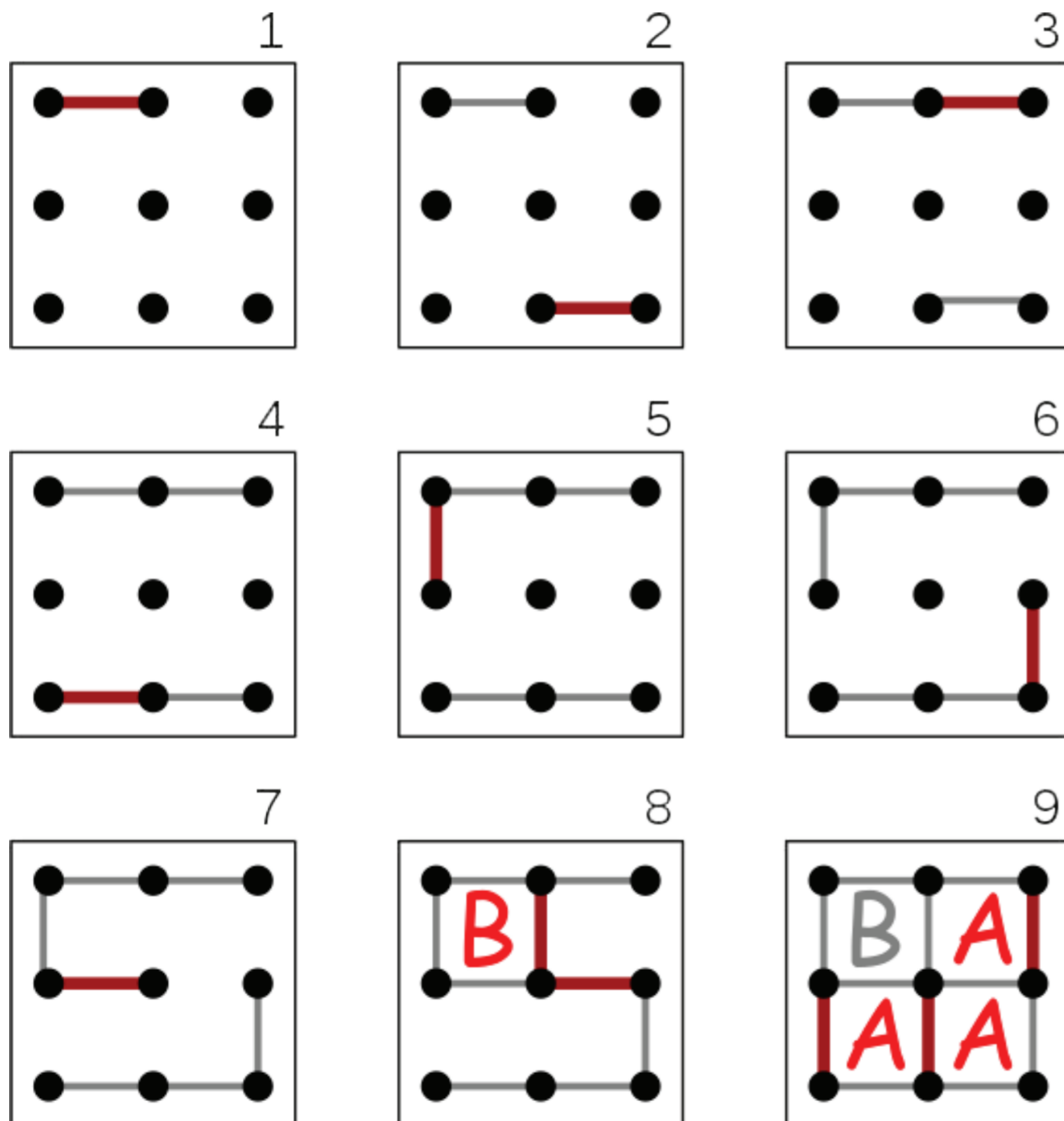
# DOTS AND BOXES

## Instructions:

Players: 2 or more

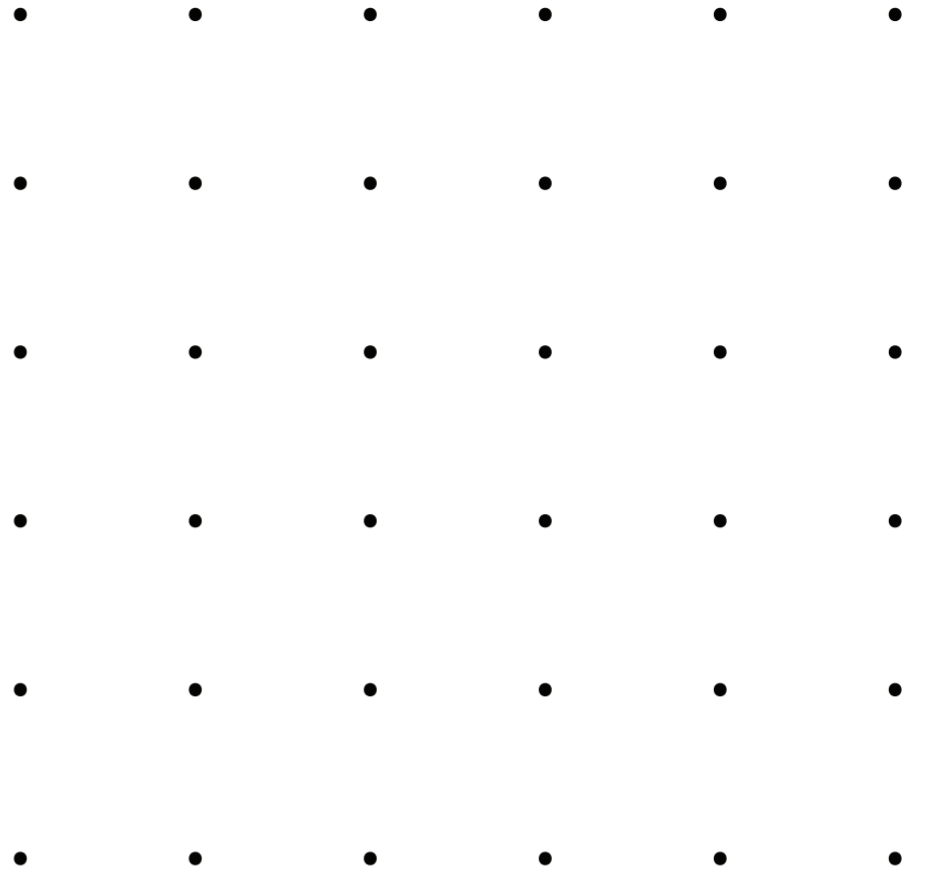
In a grid below, take turns drawing a single horizontal or vertical line between two dots. The player who completes the fourth side of a box earns one point (marked by their initial in the box) and takes another turn. The game ends when no more lines can be placed. The winner of the game is the player with the most points.

## EXAMPLE





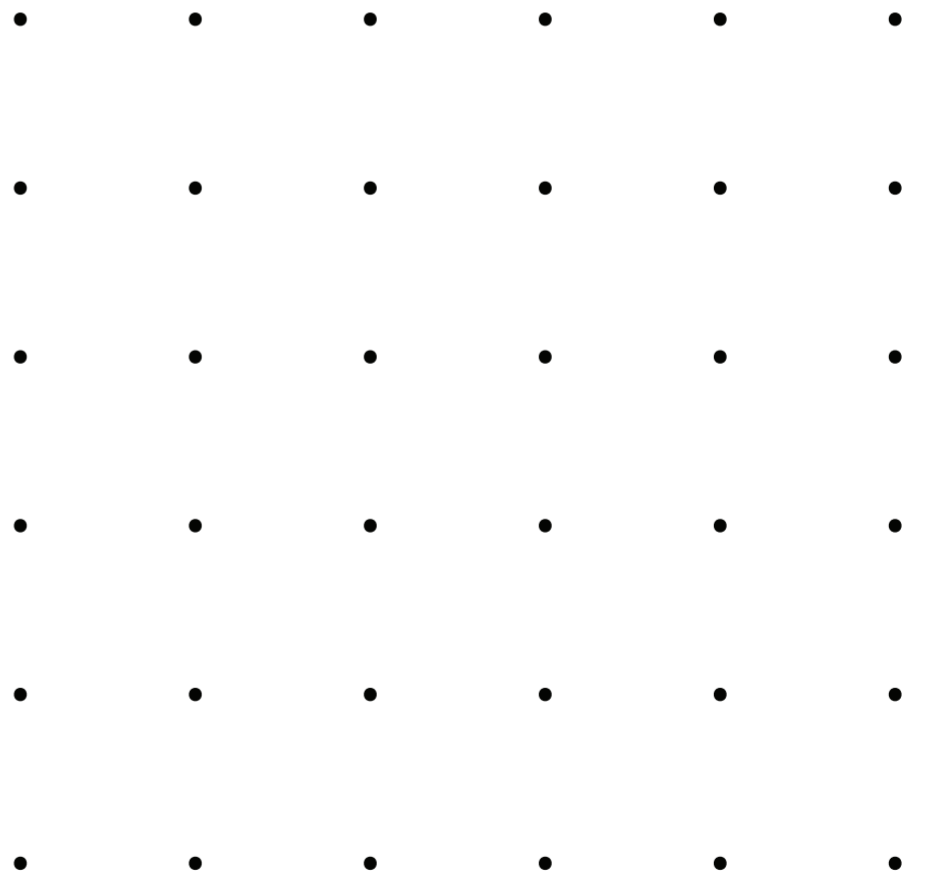
**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_





**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_



**WINNER:** \_\_\_\_\_

# BRAINTEASERS & RIDDLES

## The Club

A man wanted to get into a members only club so he hid and watched the guard at the door of the club house. The guard said a number to each member as they approached, and the member would respond with a number of their own. If the member responded with the correct number they were let in. If they responded incorrectly they were thrown out. One member came up to the door, the guard said twelve, and the member responded with six and was let in. Another member came to the door, the guard said six and the member responded with three and was let in. Believing he had heard enough, the reject went up to the guard. The guard said ten, and the reject said five, but was not let in. What should the reject have said?

## More than one

There are four letters that are anagrams to form six words.

You can cook food in \_\_\_\_.

You need \_\_\_\_ to cover fast food cups.

Red means \_\_\_\_ in certain situations.

A \_\_\_\_ can be found on dirty clothes and animals.

Police officers will \_\_\_\_ a warrant for someone's arrest.

\*Bonus\*

A student sometimes \_\_\_\_ to not go to college.

## Missing Price

When I went to the store, I purchased four items. The following shows the cost of three of the items:

R1.50  
R3.00  
R4.00

The line to the checkout was pretty long, so to quench my boredom I started playing with my pocket calculator while waiting.

I found out, to my surprise, that the four prices of the four items I purchased added to the same number as I got when I multiplied the four prices together.

What was the price of the fourth item?.

## Assemble

What king can you make if you take  
the head of a lamb  
the middle of a pig  
the hind of a buffalo  
and the tail of a dragon?

# BRAINTEASERS & RIDDLES

## **Always old, Sometimes New**

Always old, sometimes new. Never sad, sometimes blue. Never empty, sometimes full. Never pushing, always pulling. What am I?

## **Go up, not down**

What can go up a chimney down, but not down a chimney up?

## **Gone on Monday and Friday**

Saturday and Sunday, I am big.  
Tuesday through Thursday, I am small.  
Monday and Friday, I am non-existent.  
What am I?

## **Timepieces**

A sundial is a timepiece that has the fewest number of moving parts. Which timepiece has the most moving parts?

## **New door**

How could you rearrange the letters in the words "new door" to make one word?

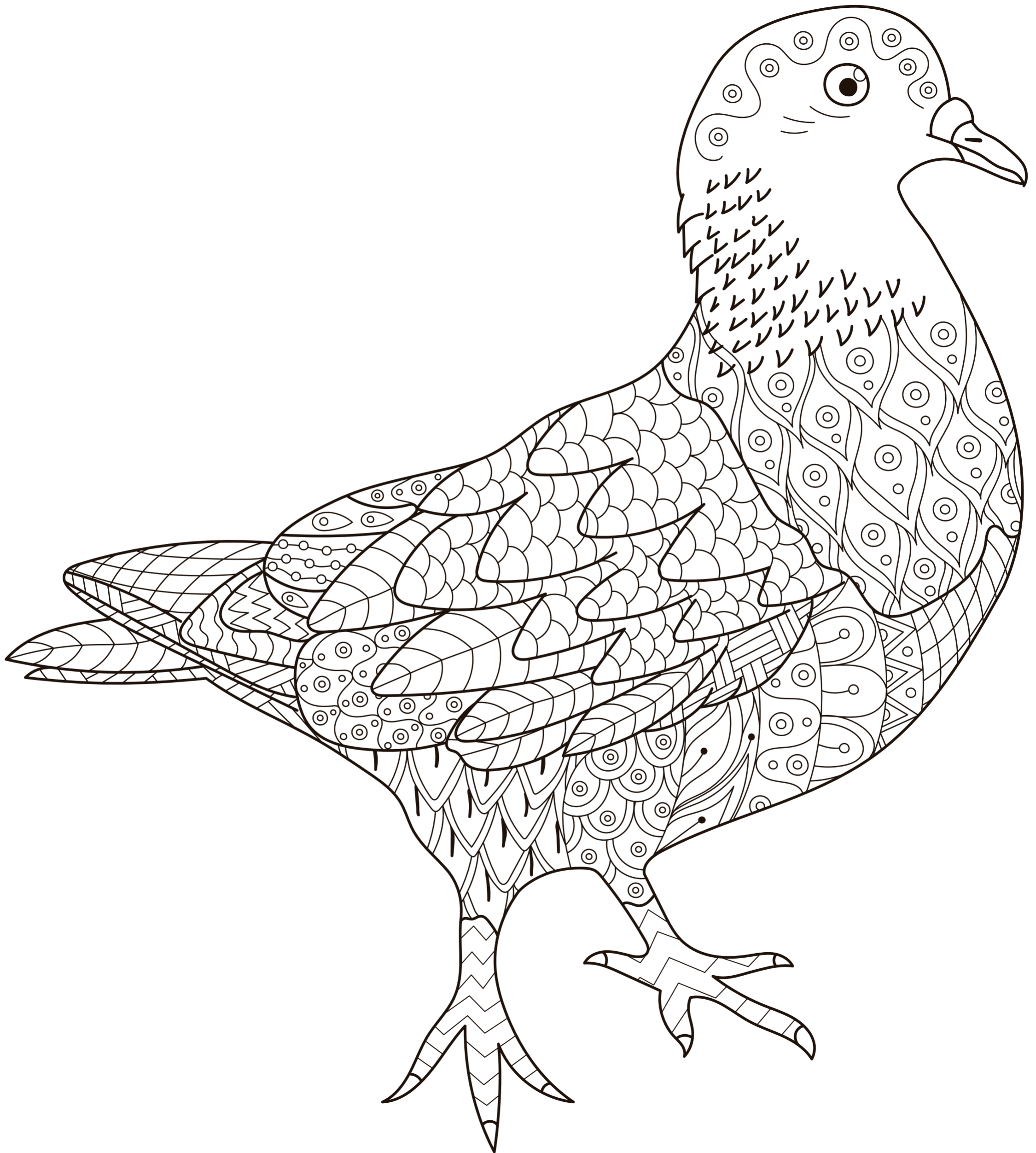
## **Today**

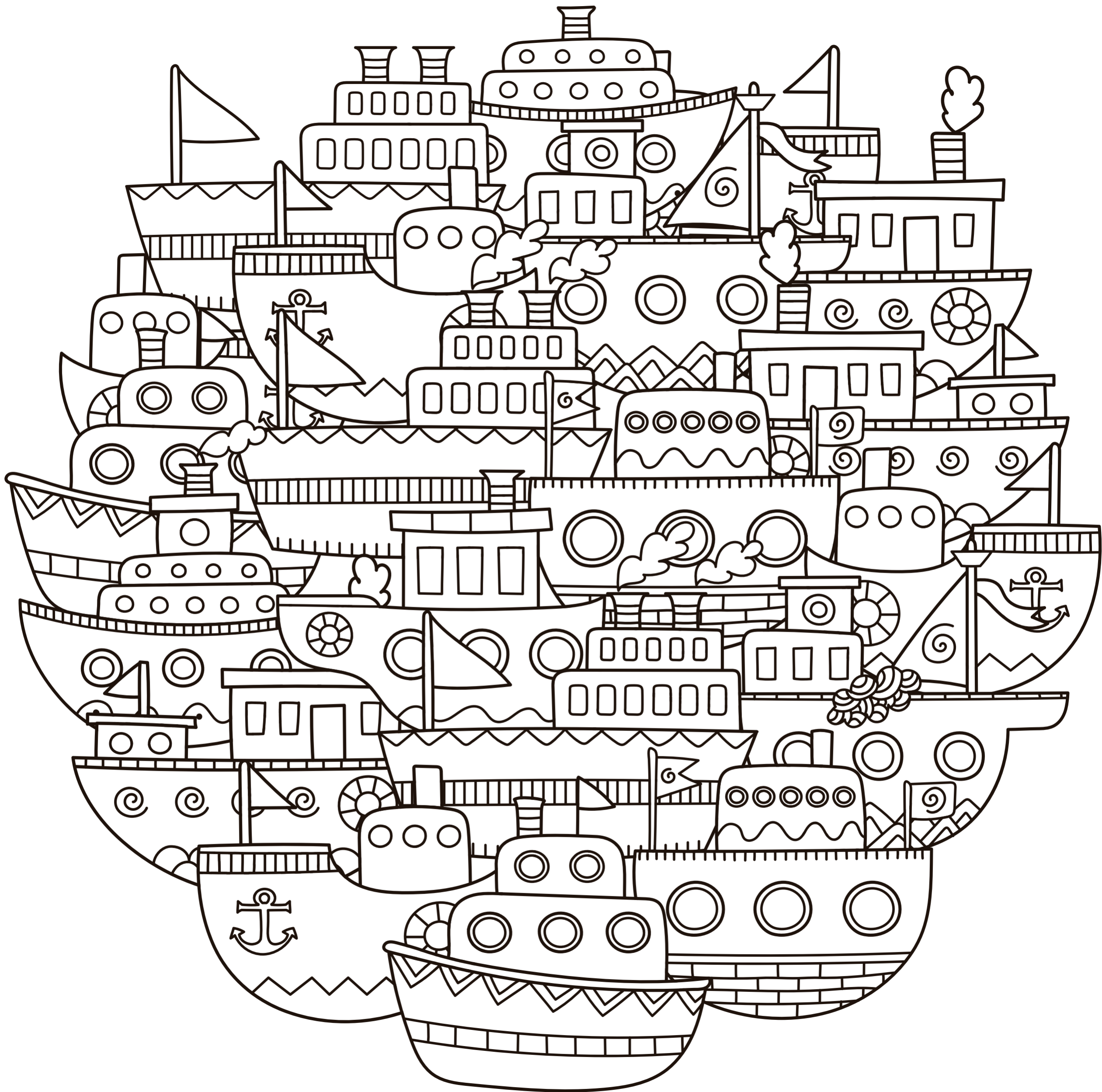
Tomorrow is neither Wednesday nor Thursday.  
Yesterday was not Friday or Saturday.  
Today is not Thursday nor Monday nor Sunday.  
What day is today?

## **Start with an E**

I start with an E, end with an E, and have a letter in me.  
What am I?

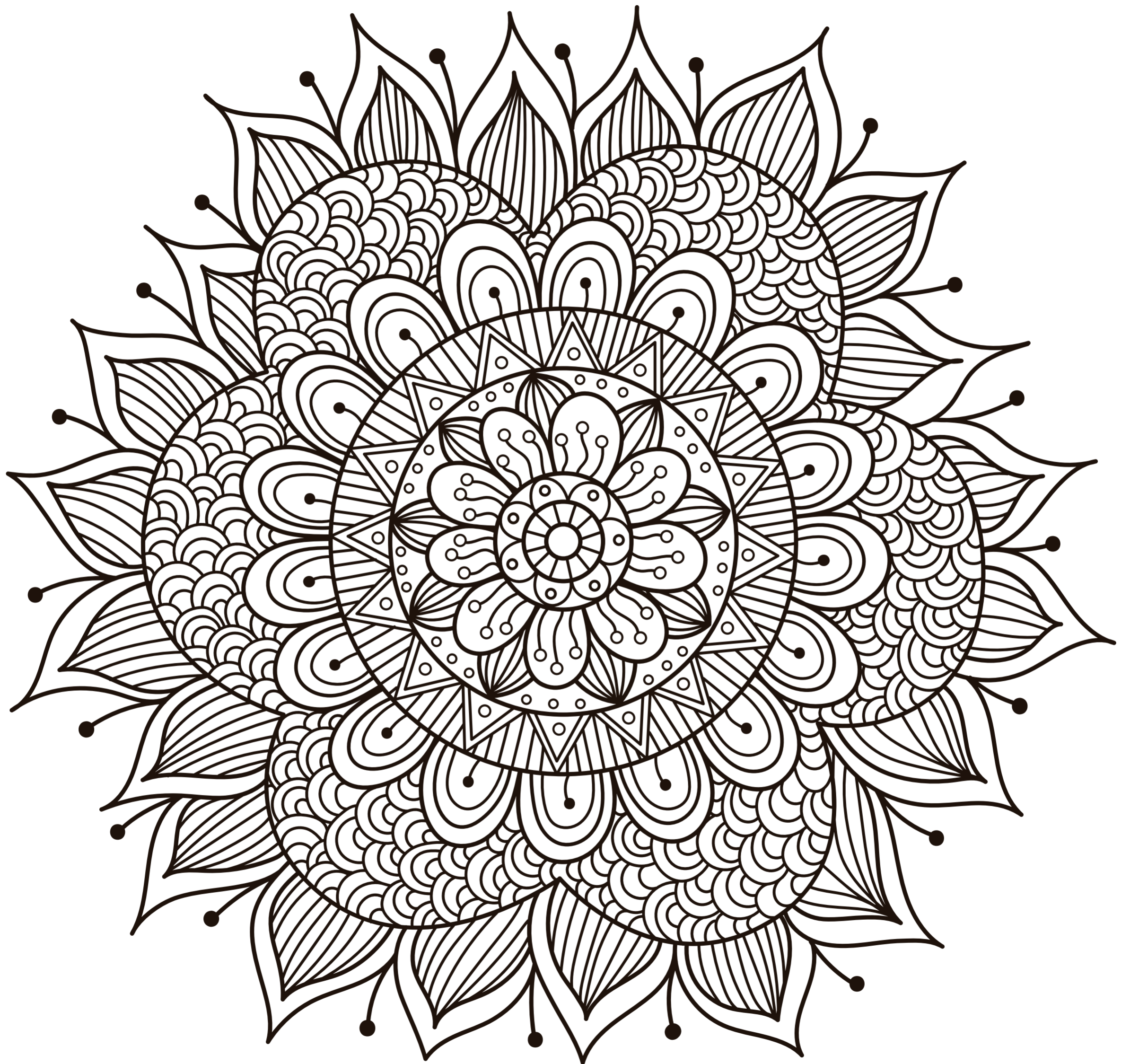






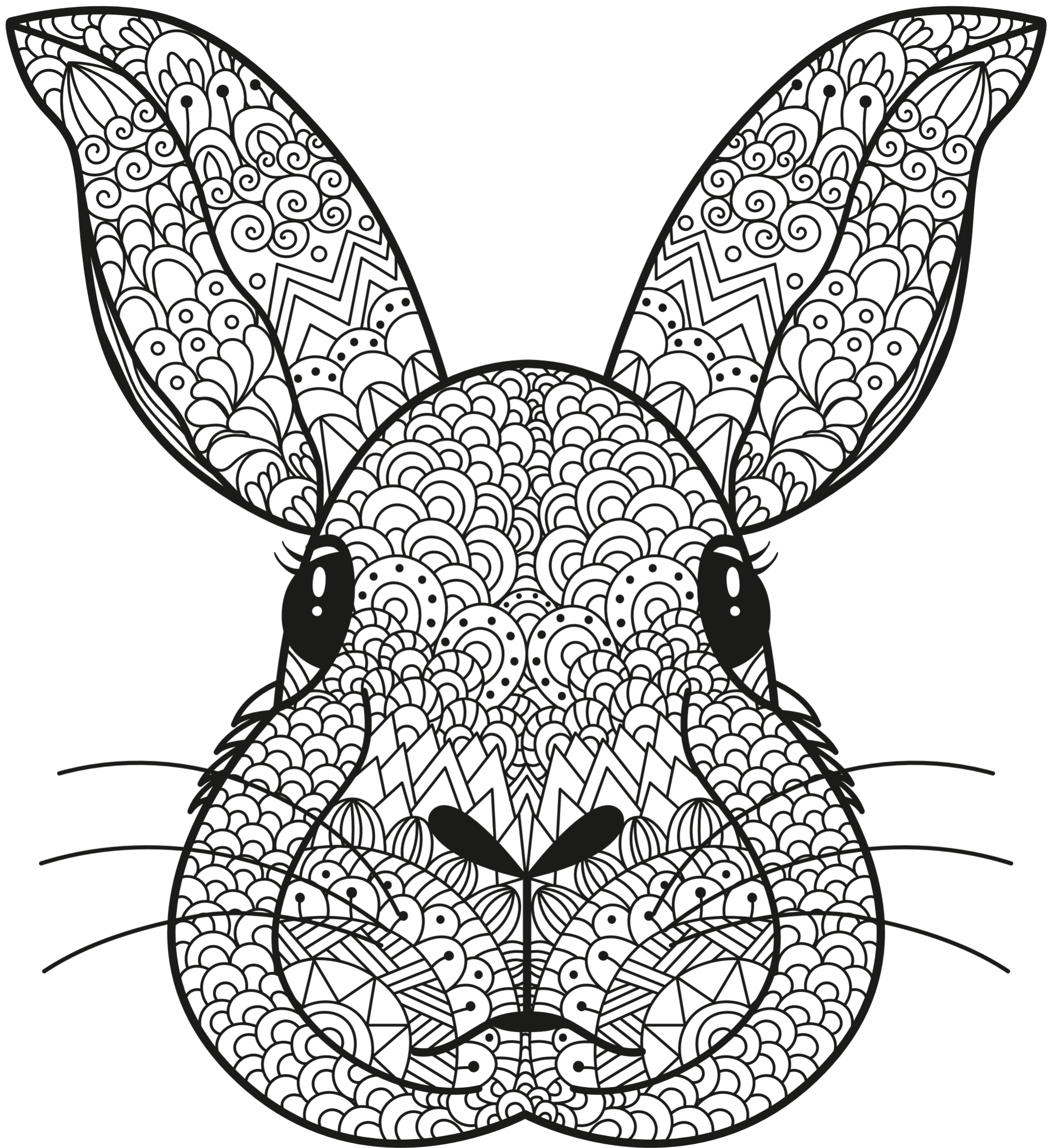


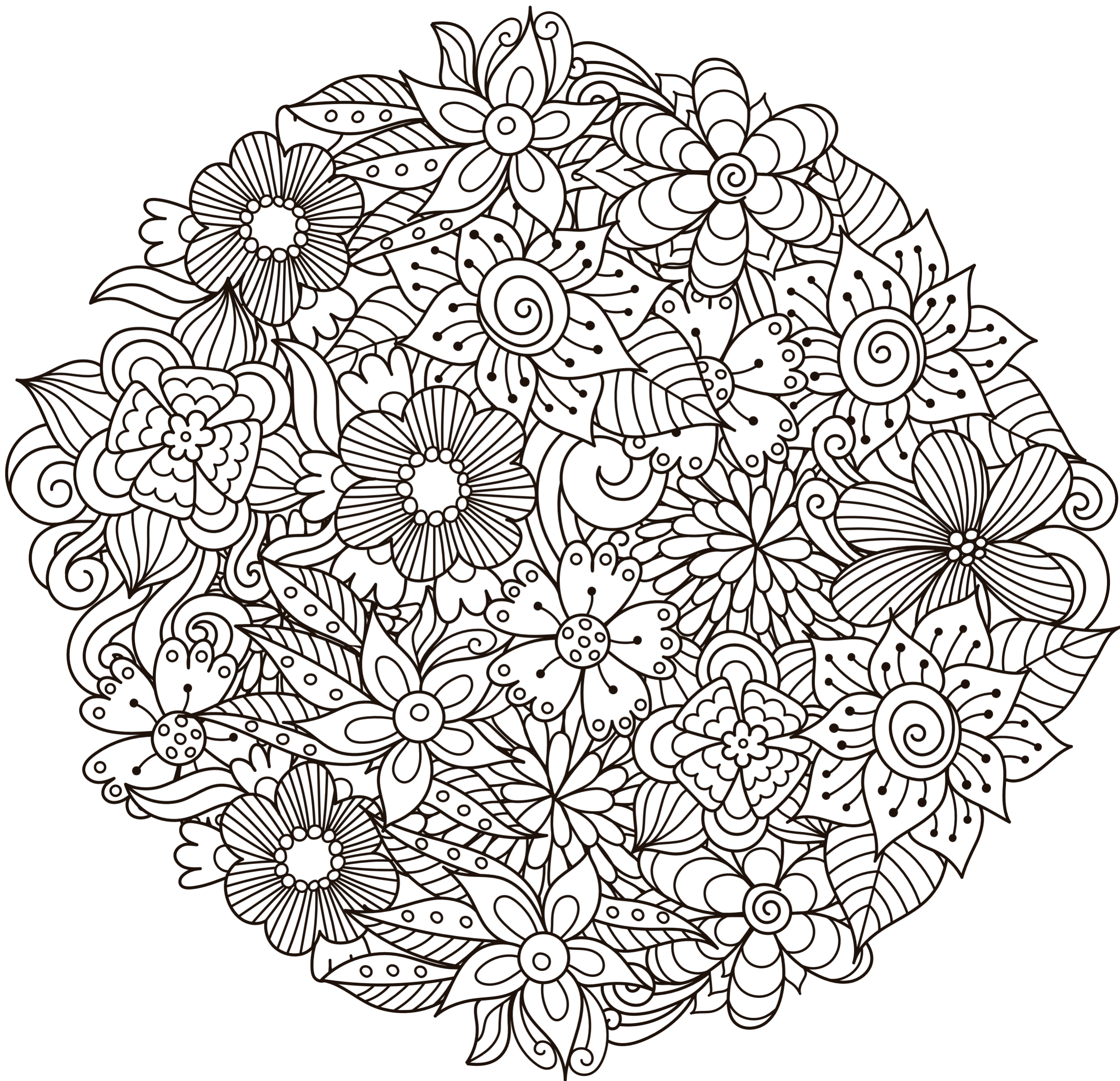


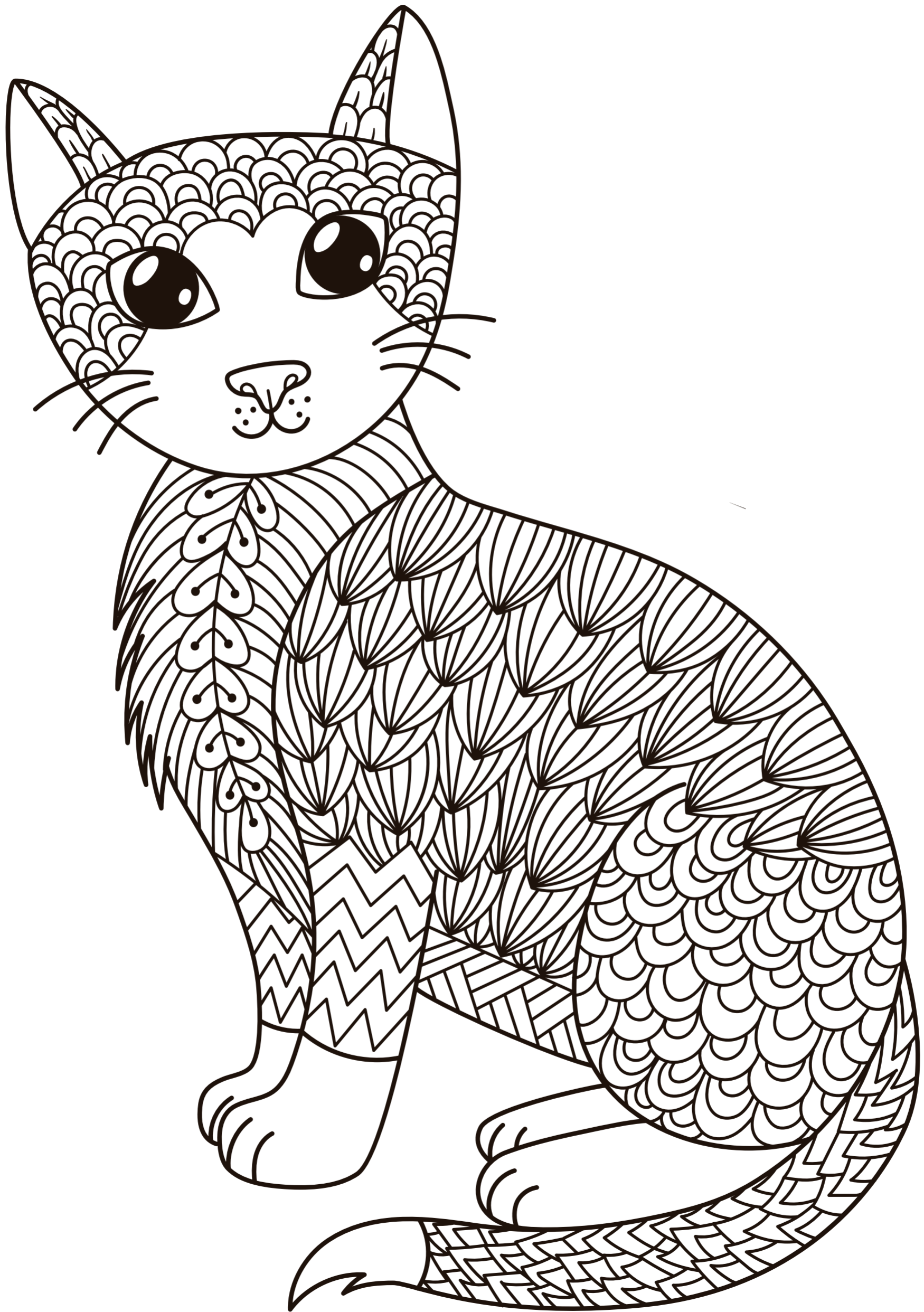


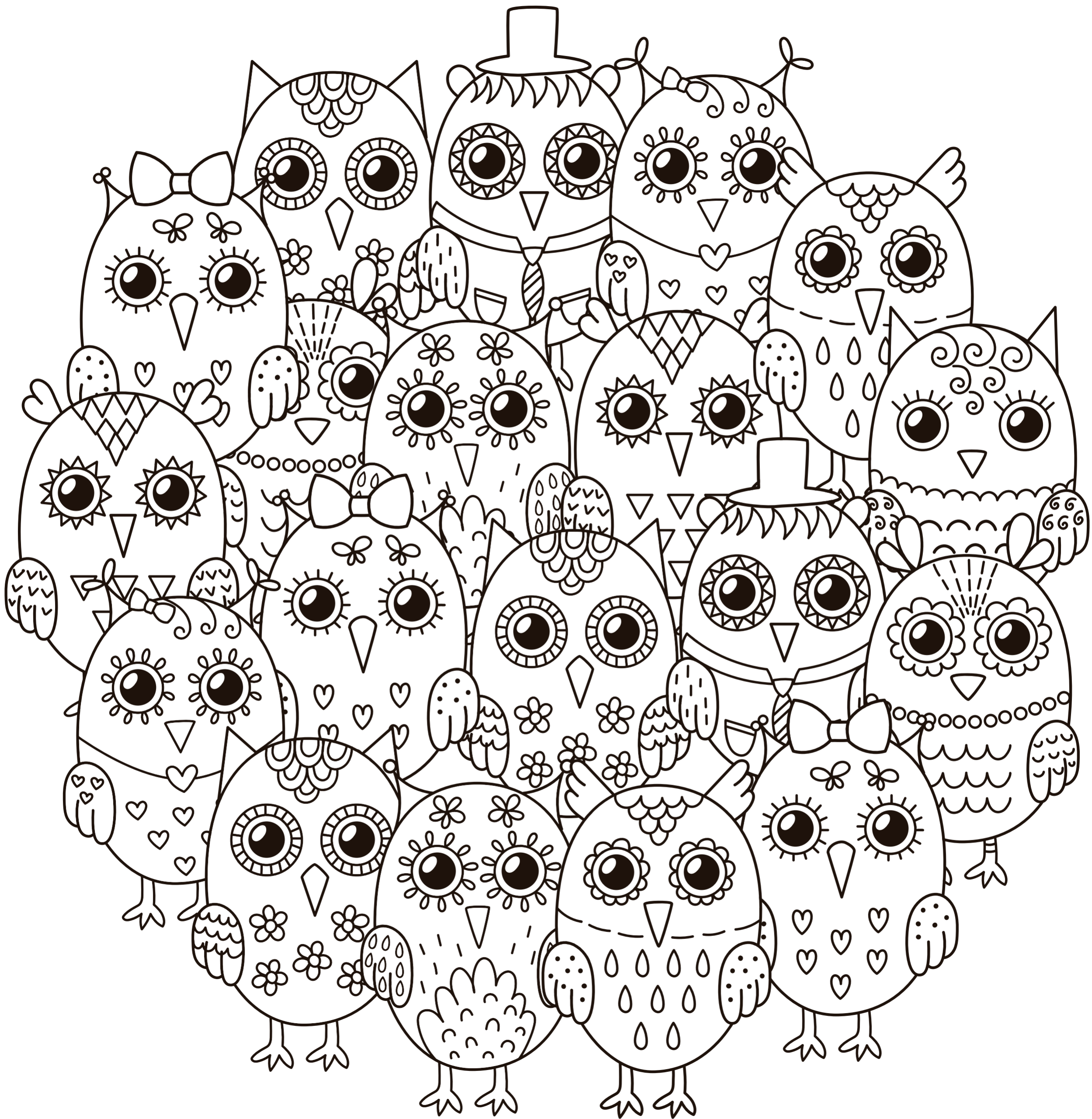








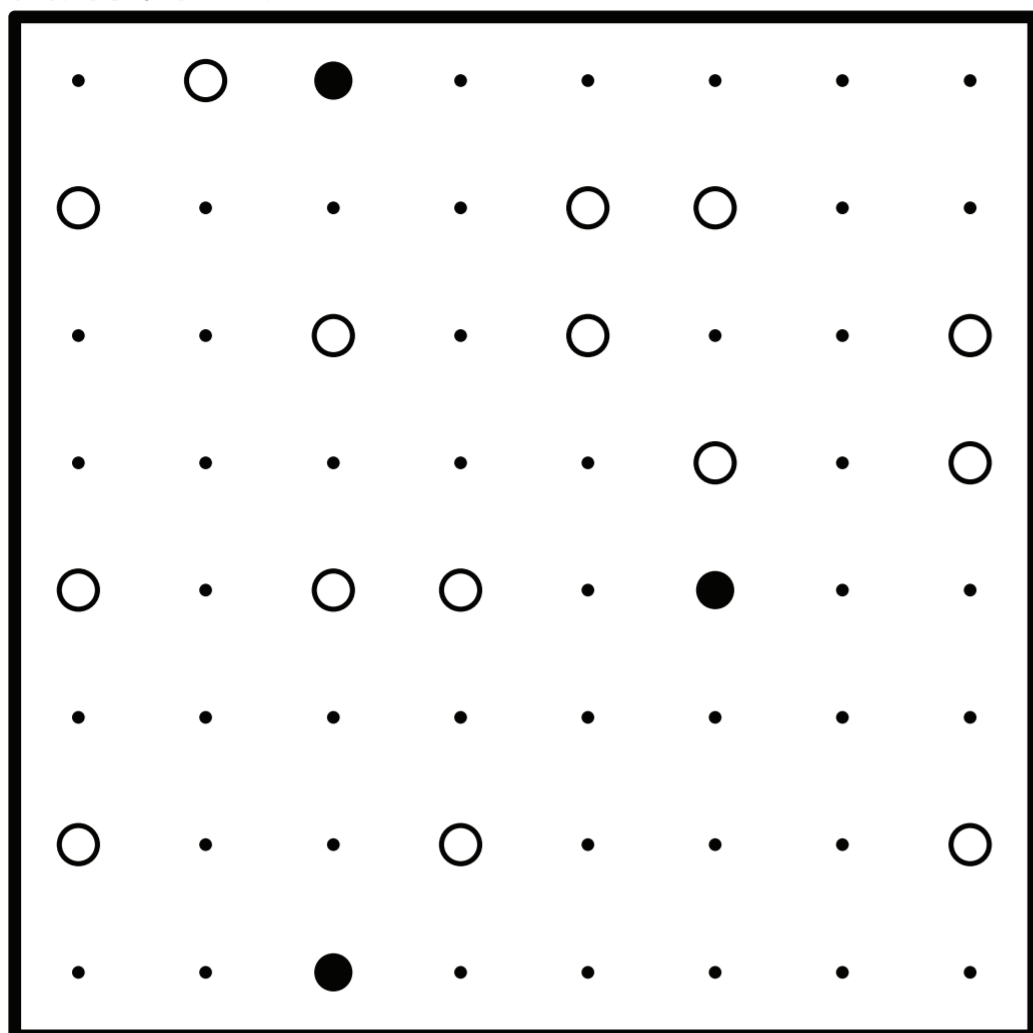




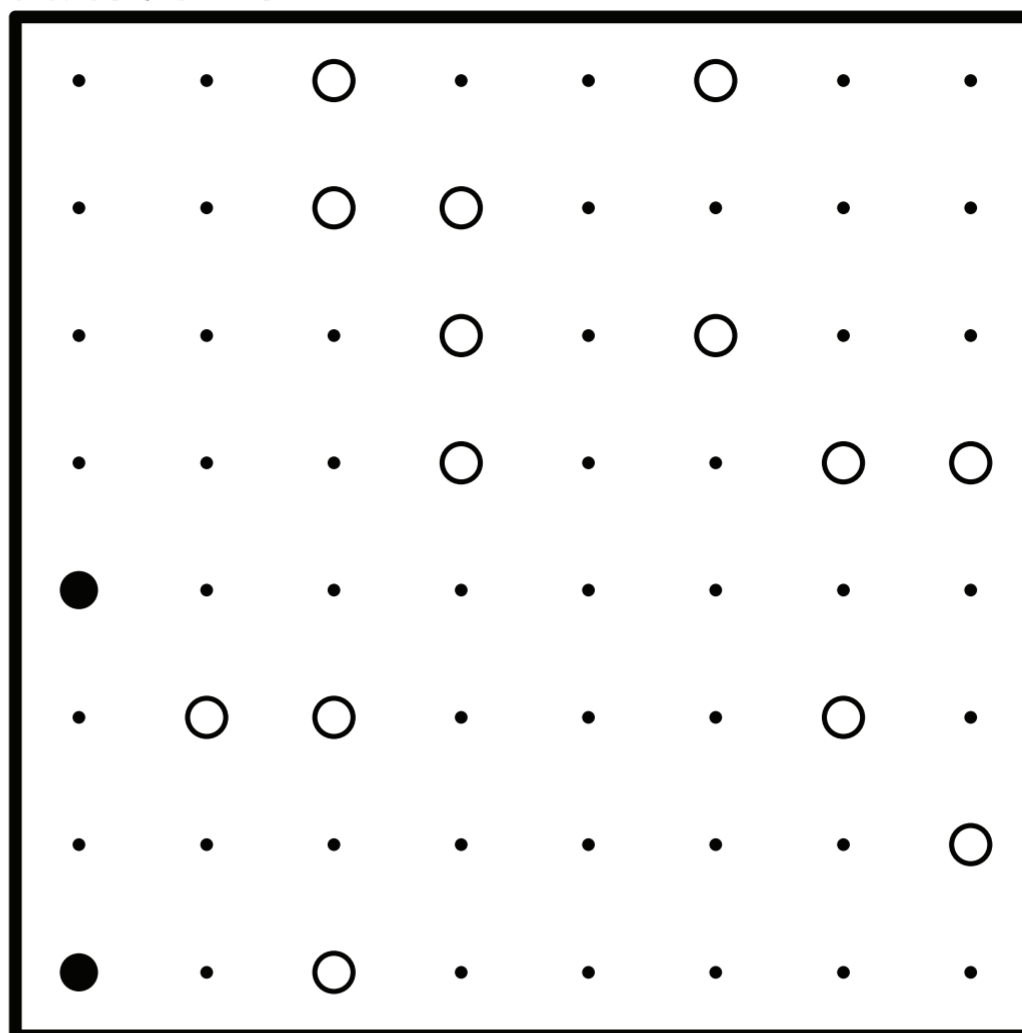




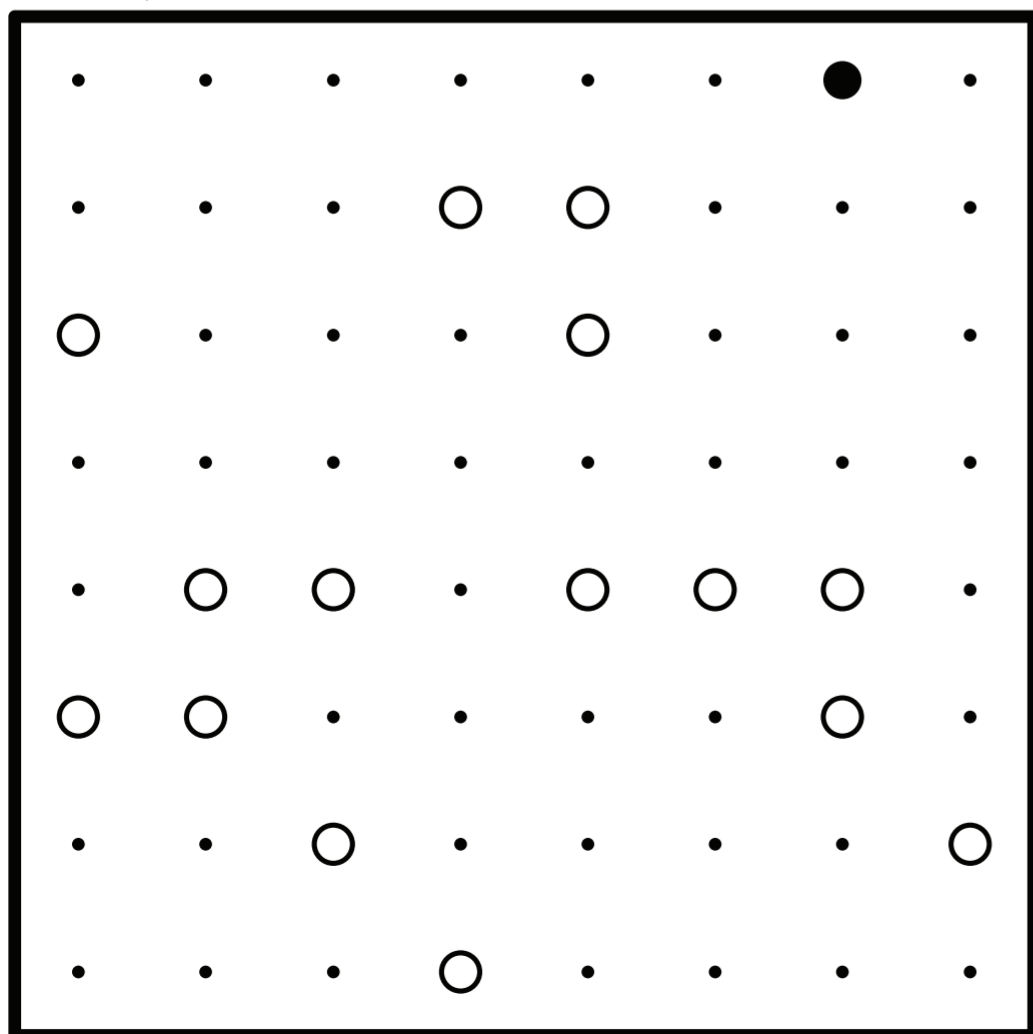
**MASYU #1**



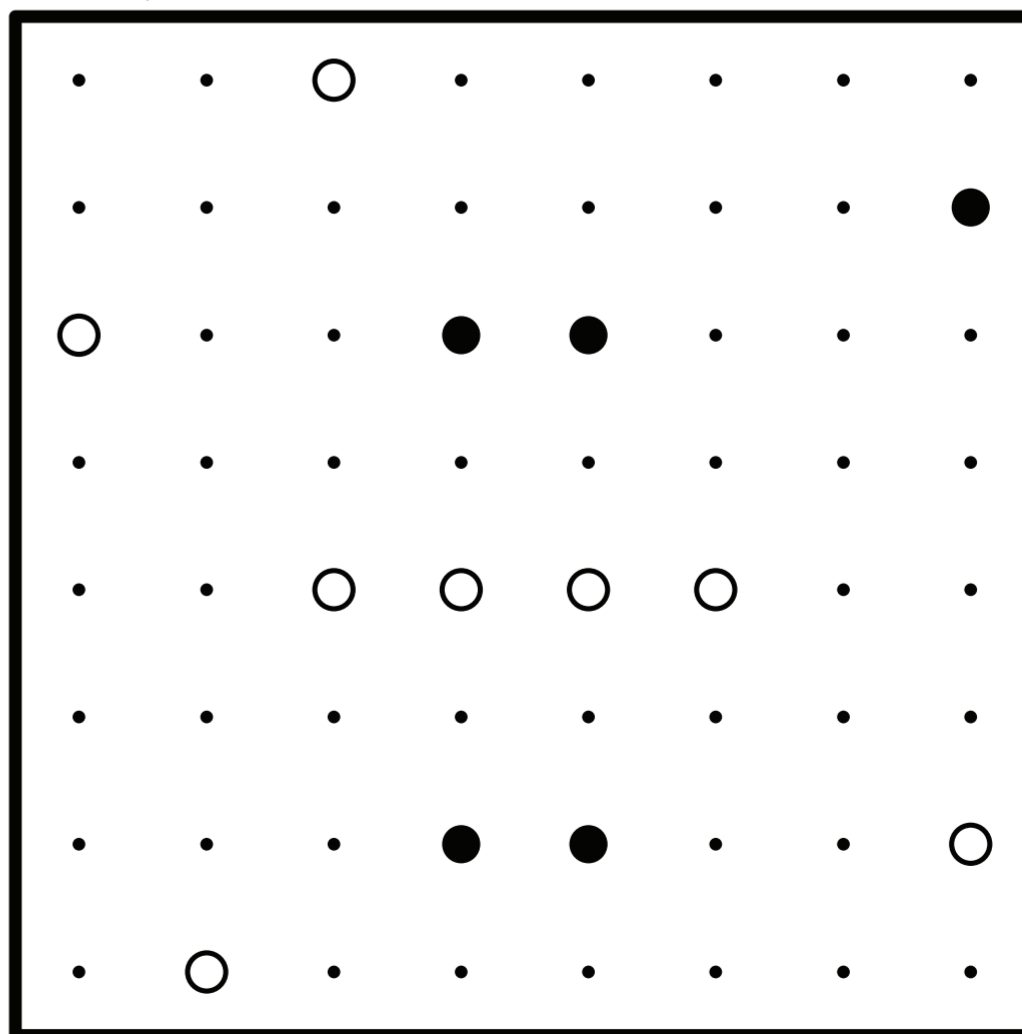
**MASYU #2**



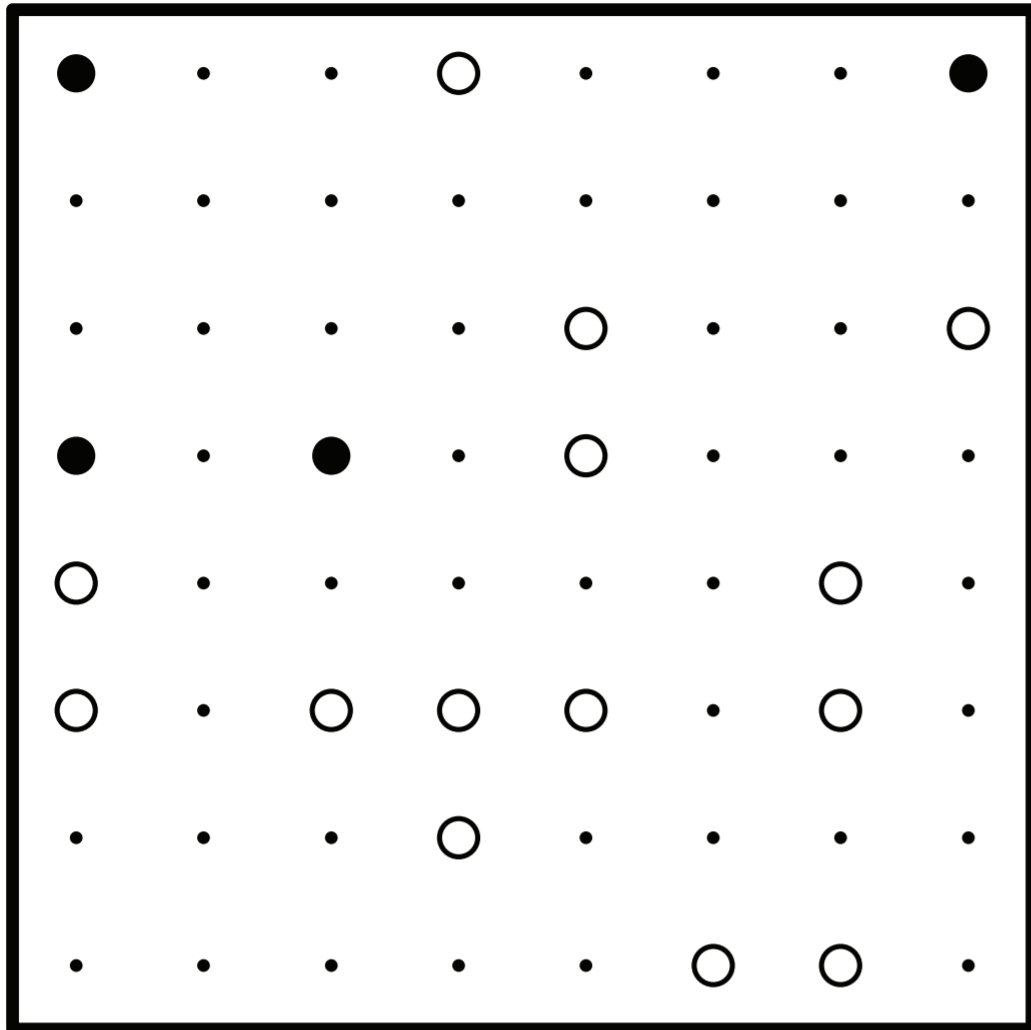
**MASYU #3**



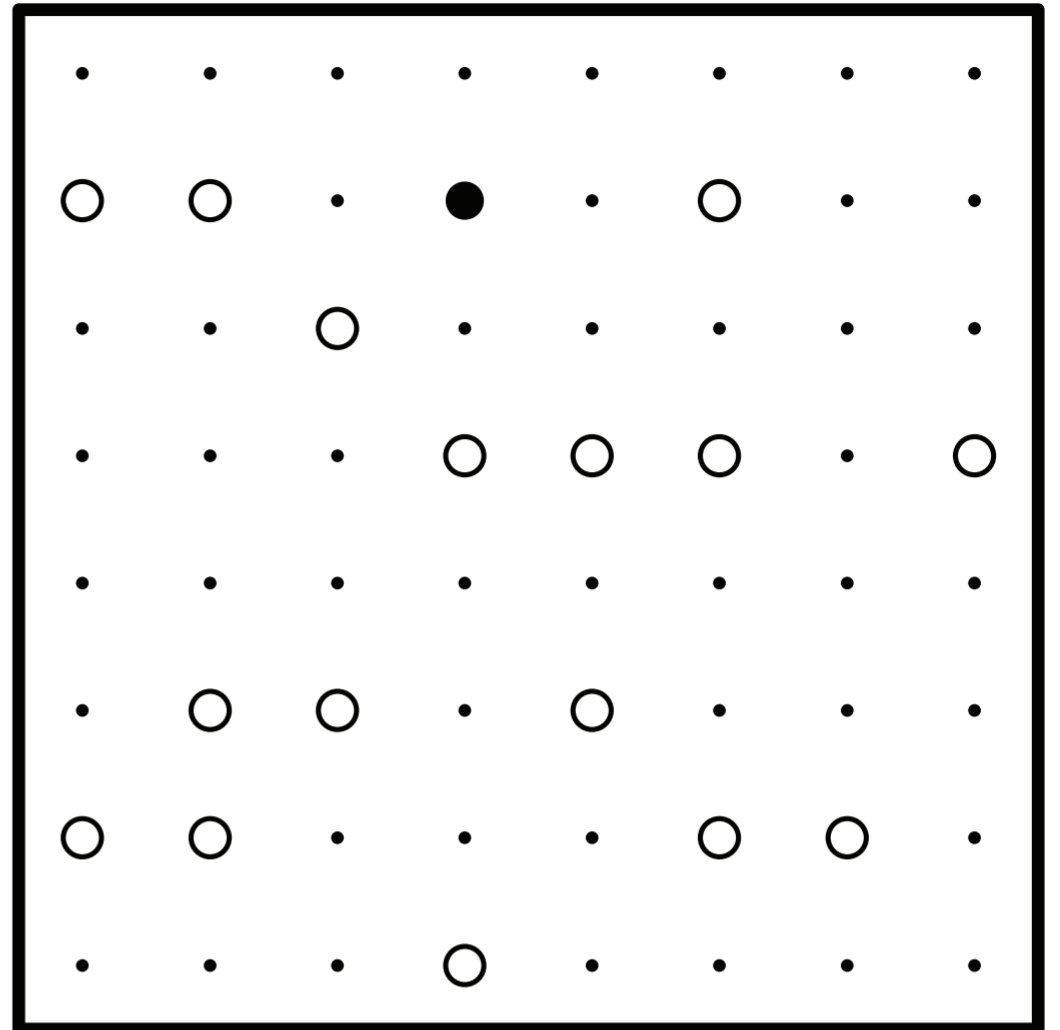
**MASYU #4**



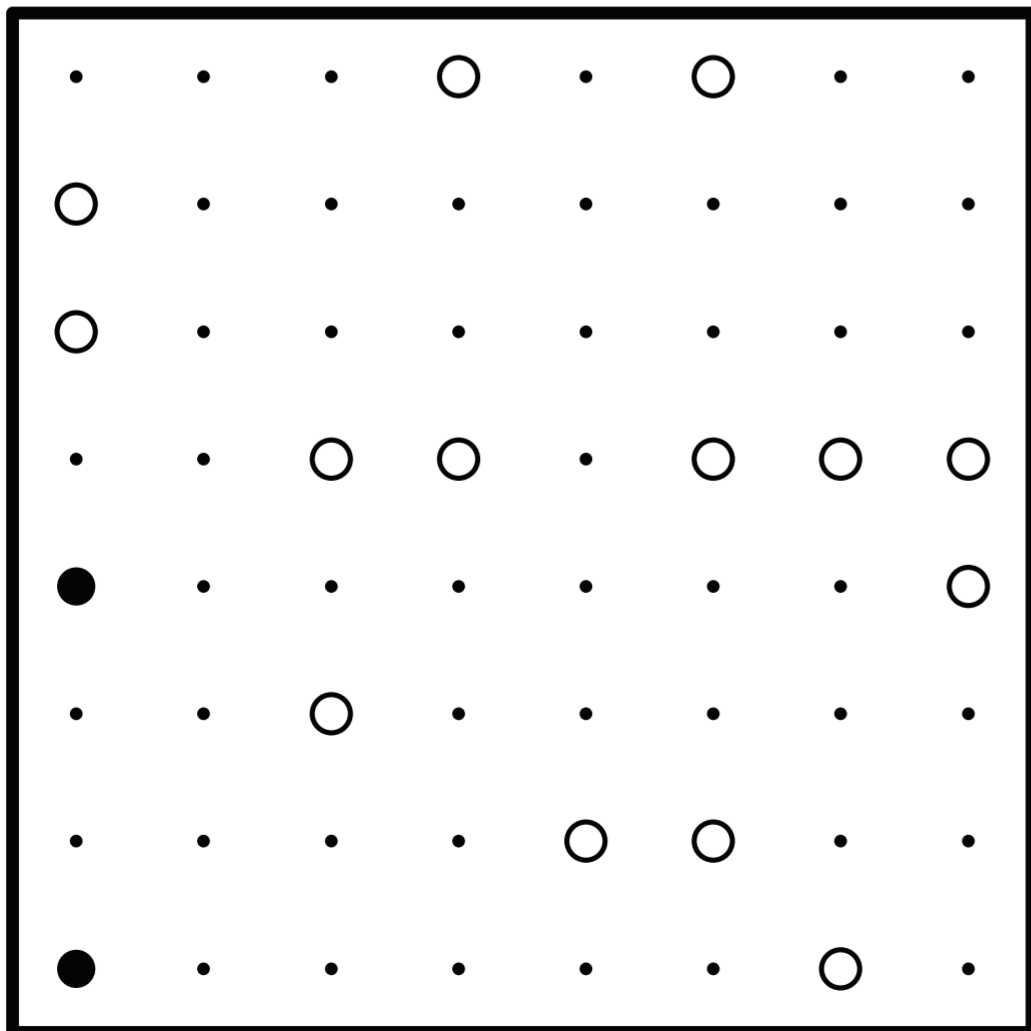
**MASYU #5**



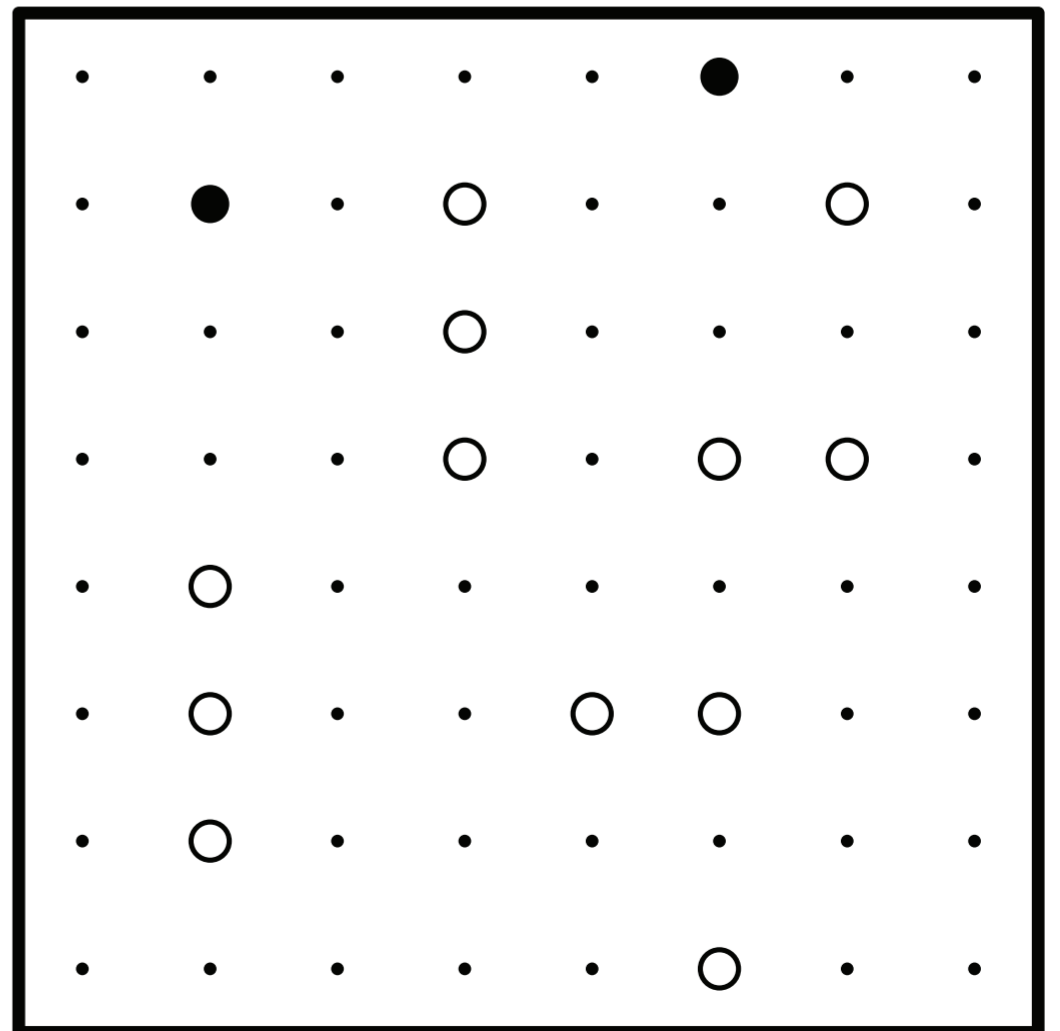
**MASYU #6**



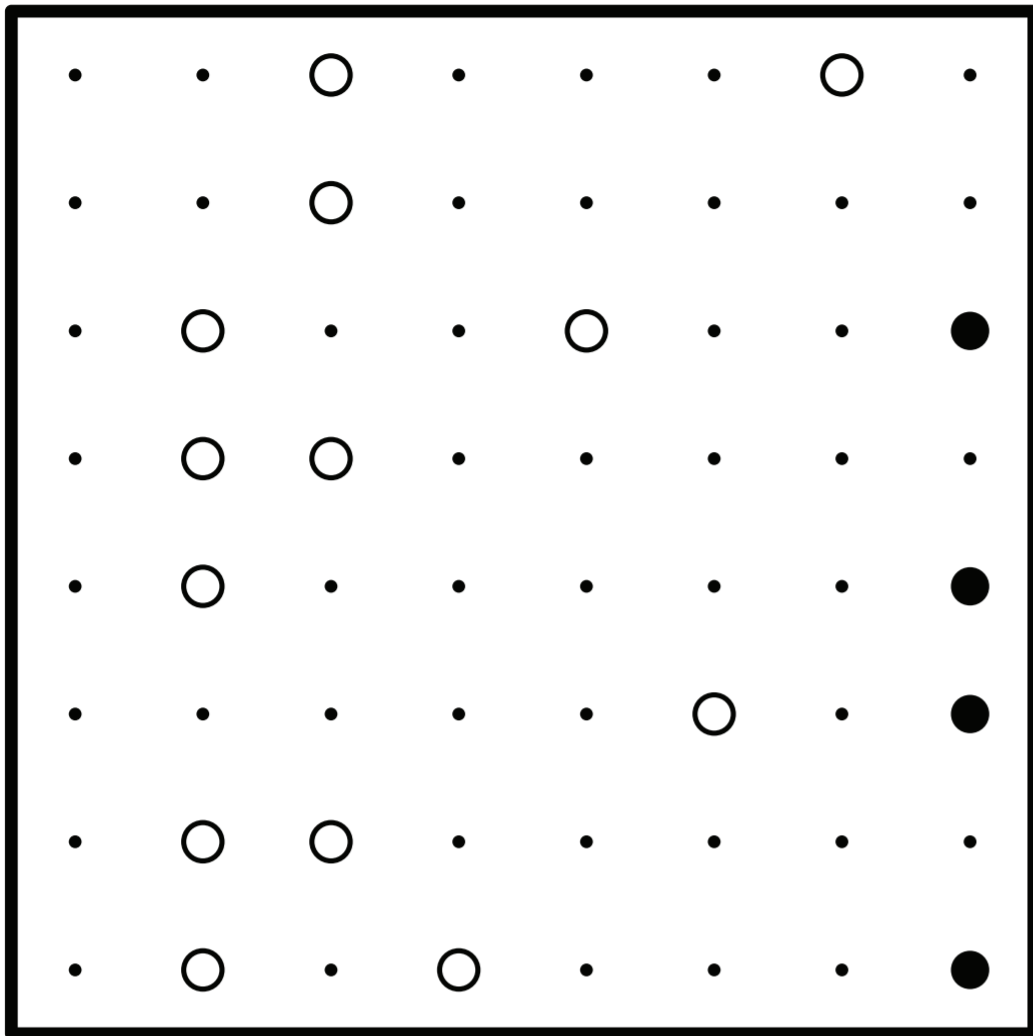
**MASYU #7**



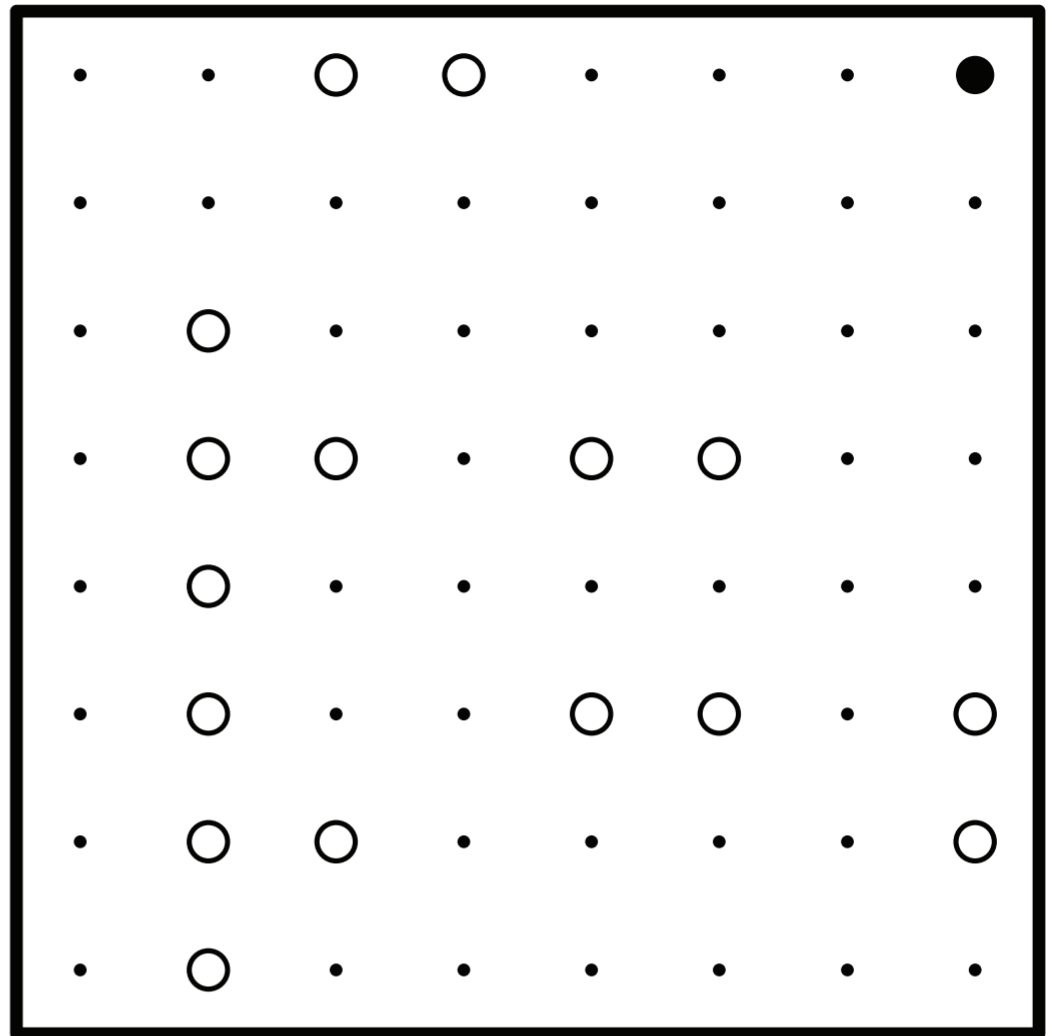
**MASYU #8**



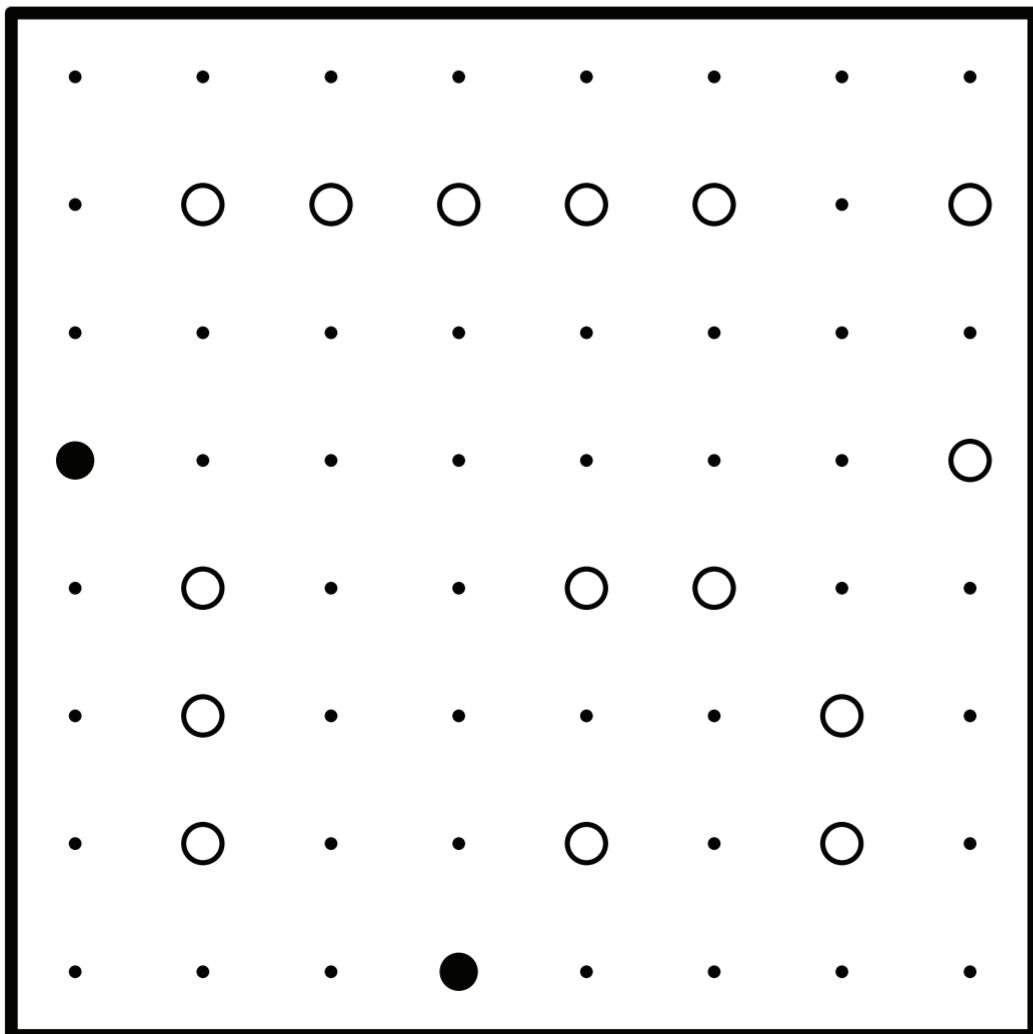
**MASYU #9**



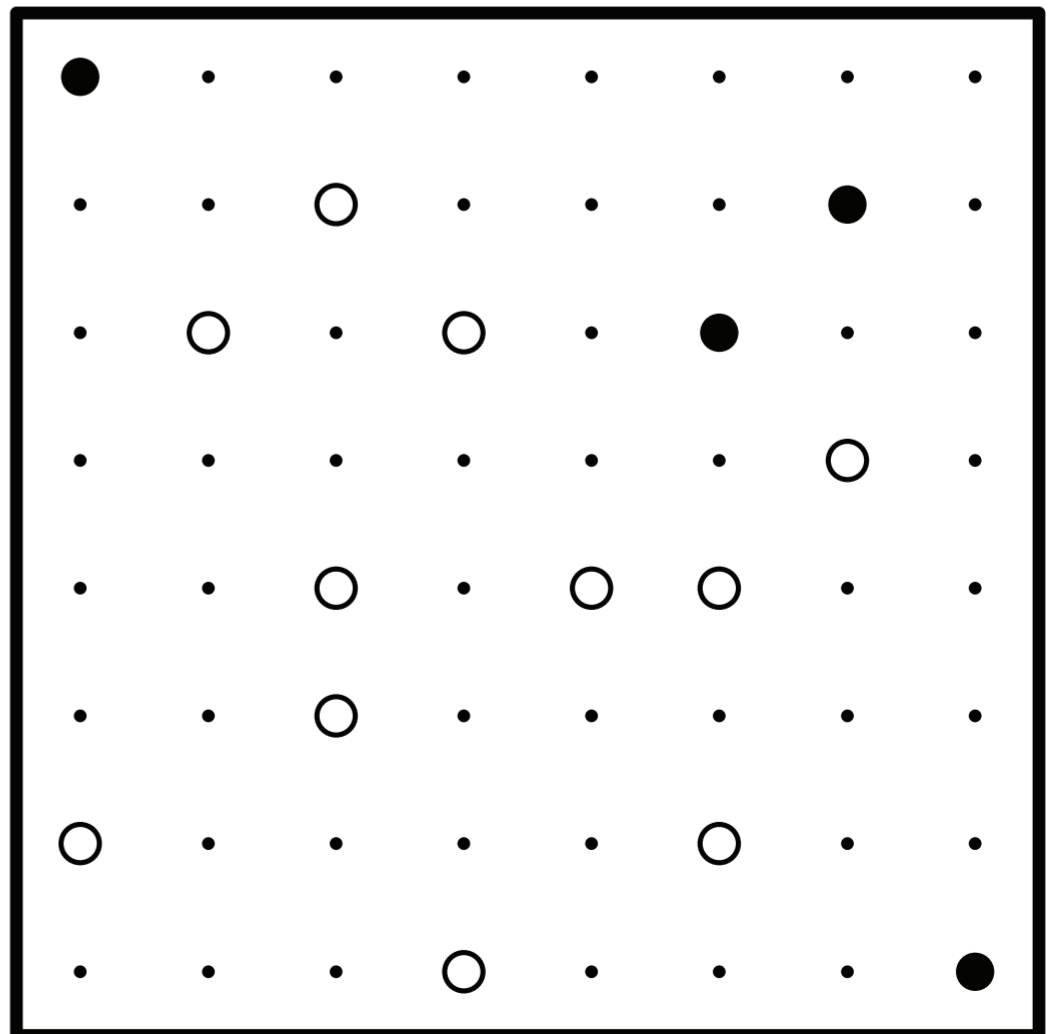
**MASYU #10**



**MASYU #11**

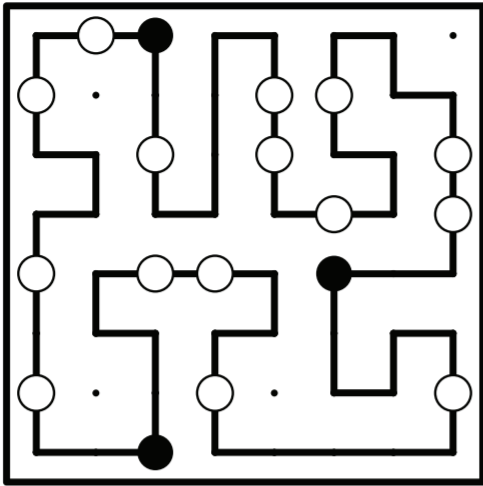


**MASYU #12**

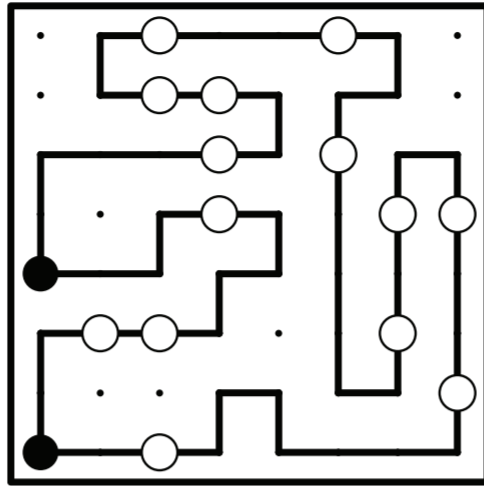


# ANSWERS #1-12

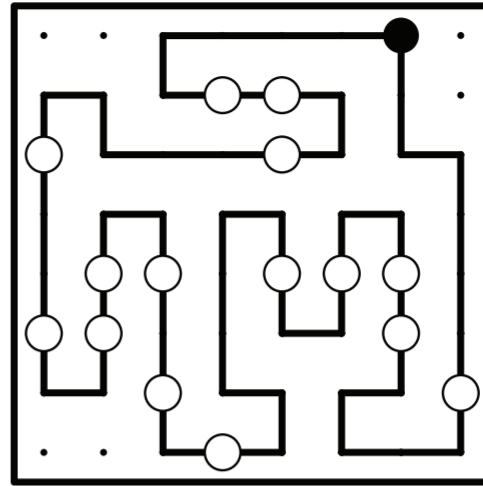
#1



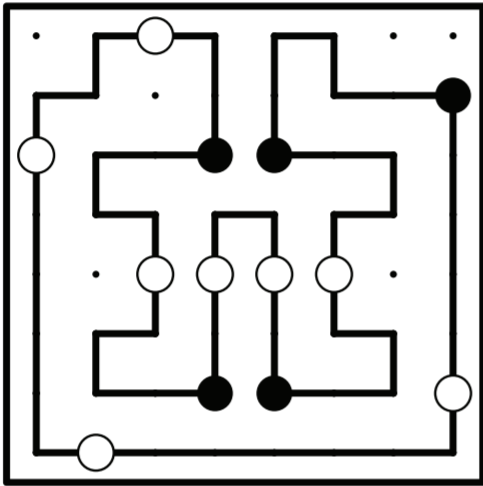
#2



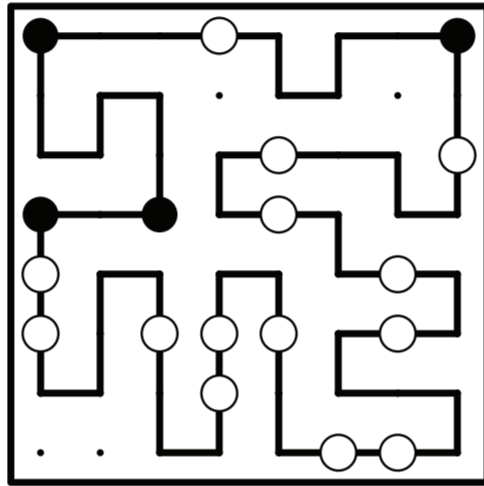
#3



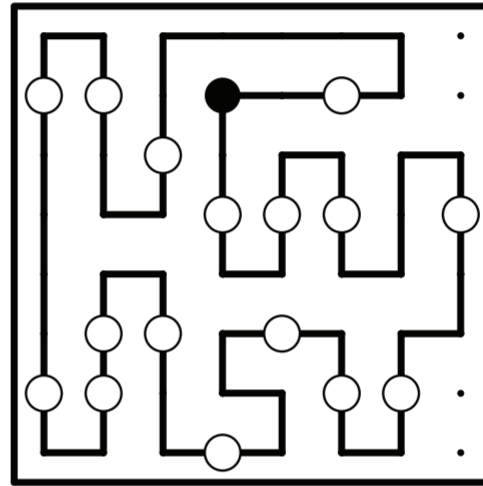
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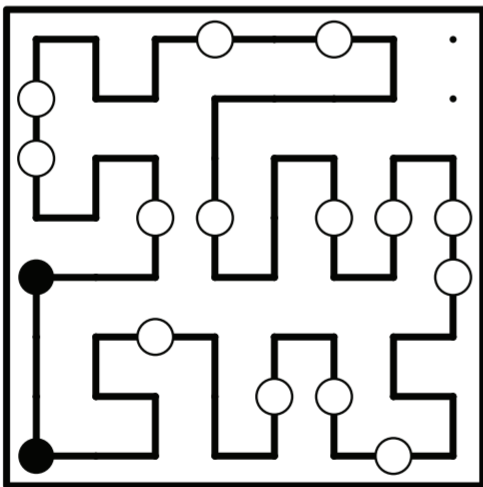
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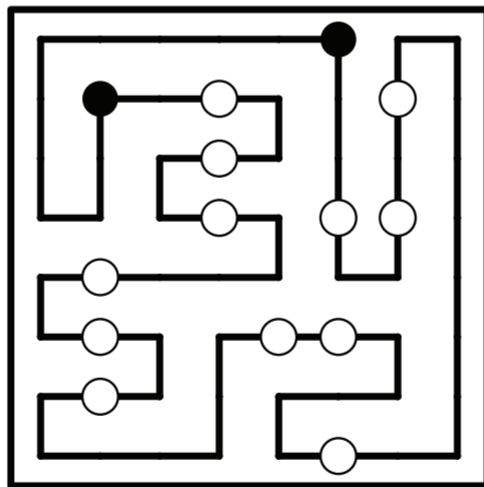
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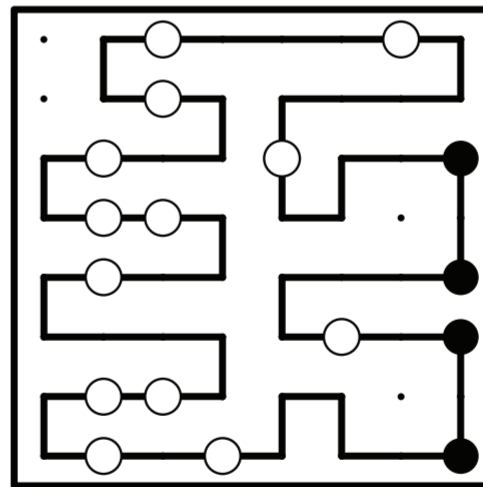
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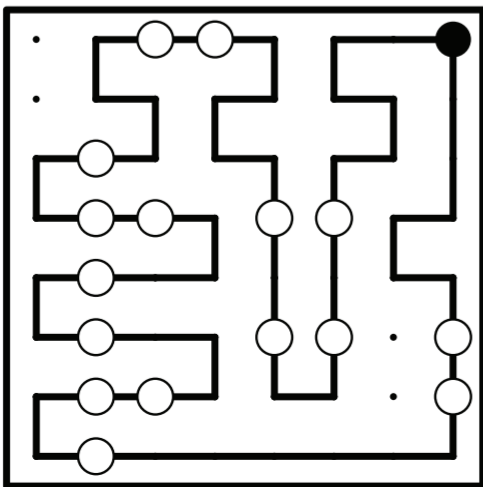
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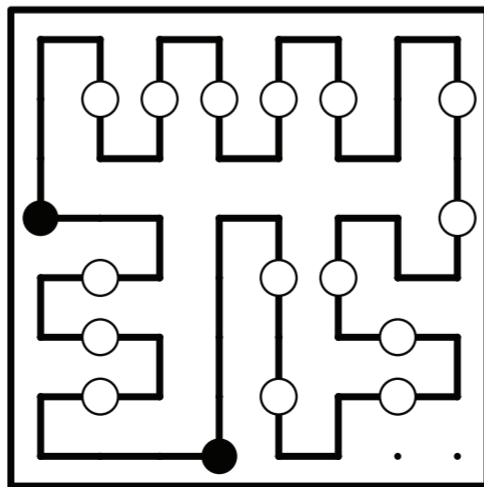
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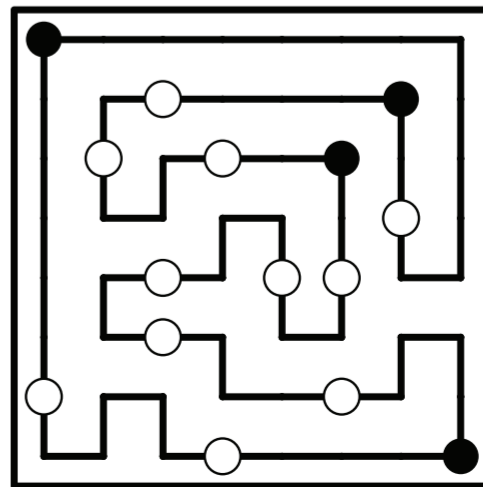
#10



#11



#12



# BINOX

## Instructions:

The puzzle is filled with Xs and Os.

Horizontally and vertically, there can be no more than 2 of the same symbol touching.

There are an equal number of Xs and Os in each row and column.

Each row must be unique.

## EXAMPLE

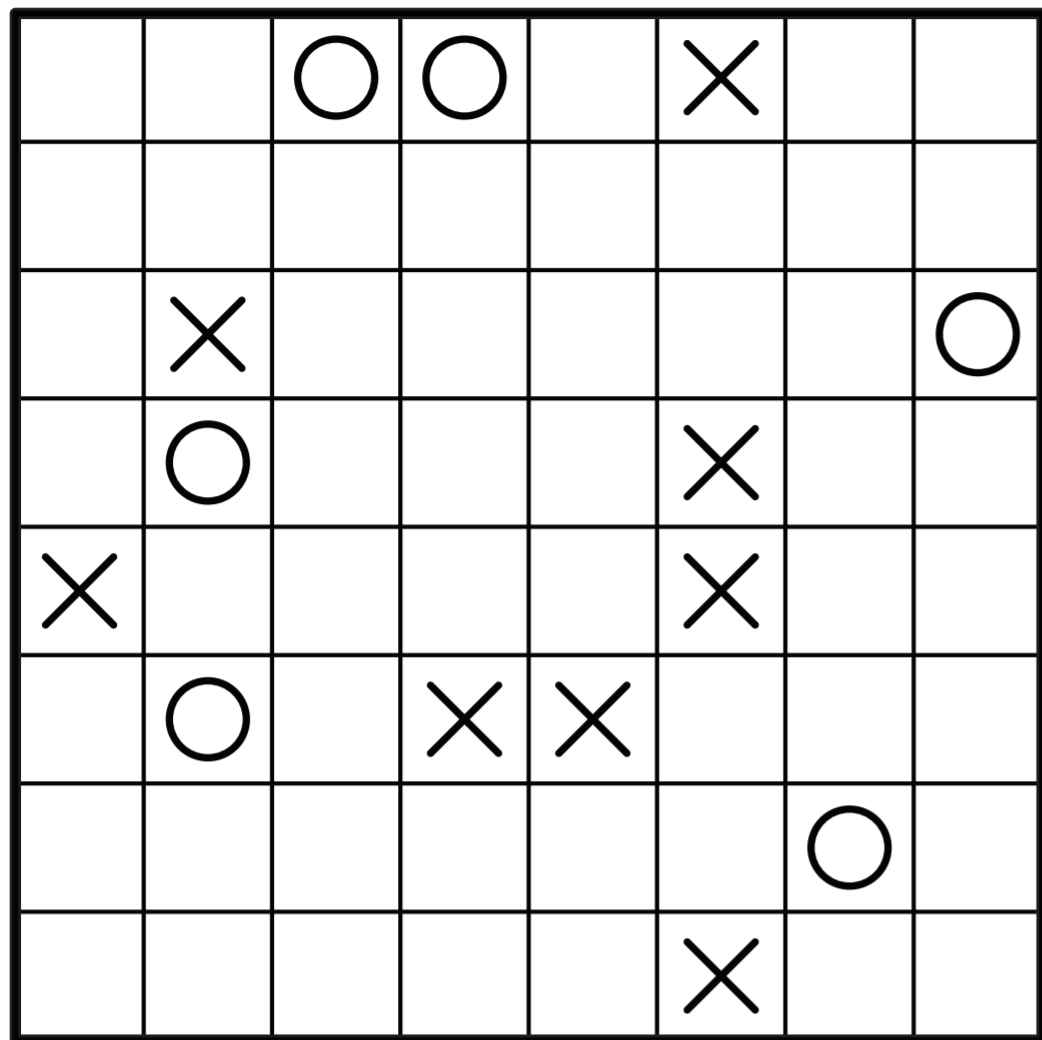
		○	○		×		
	×						○
	○				×		
×					×		
	○		×	×			
						○	
					×		

## ANSWER

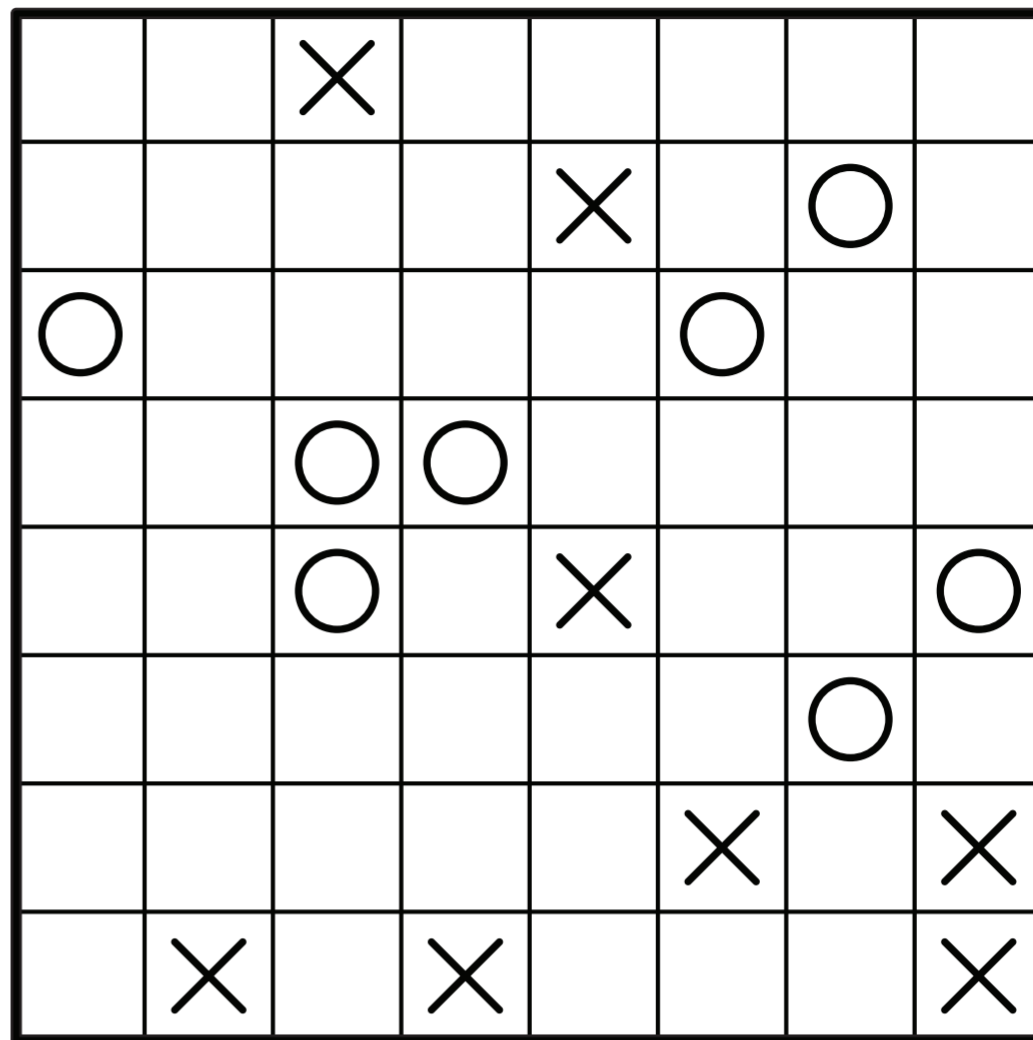
○	×	○	○	×	×	○	×
○	○	×	×	○	○	×	×
×	×	○	×	○	○	×	○
○	○	×	○	×	×	○	×
×	×	○	×	○	×	○	○
×	○	○	×	×	○	×	○
○	×	×	○	×	○	○	×
×	○	×	○	○	×	×	○

An answer sheet is at the end of all the exercises.

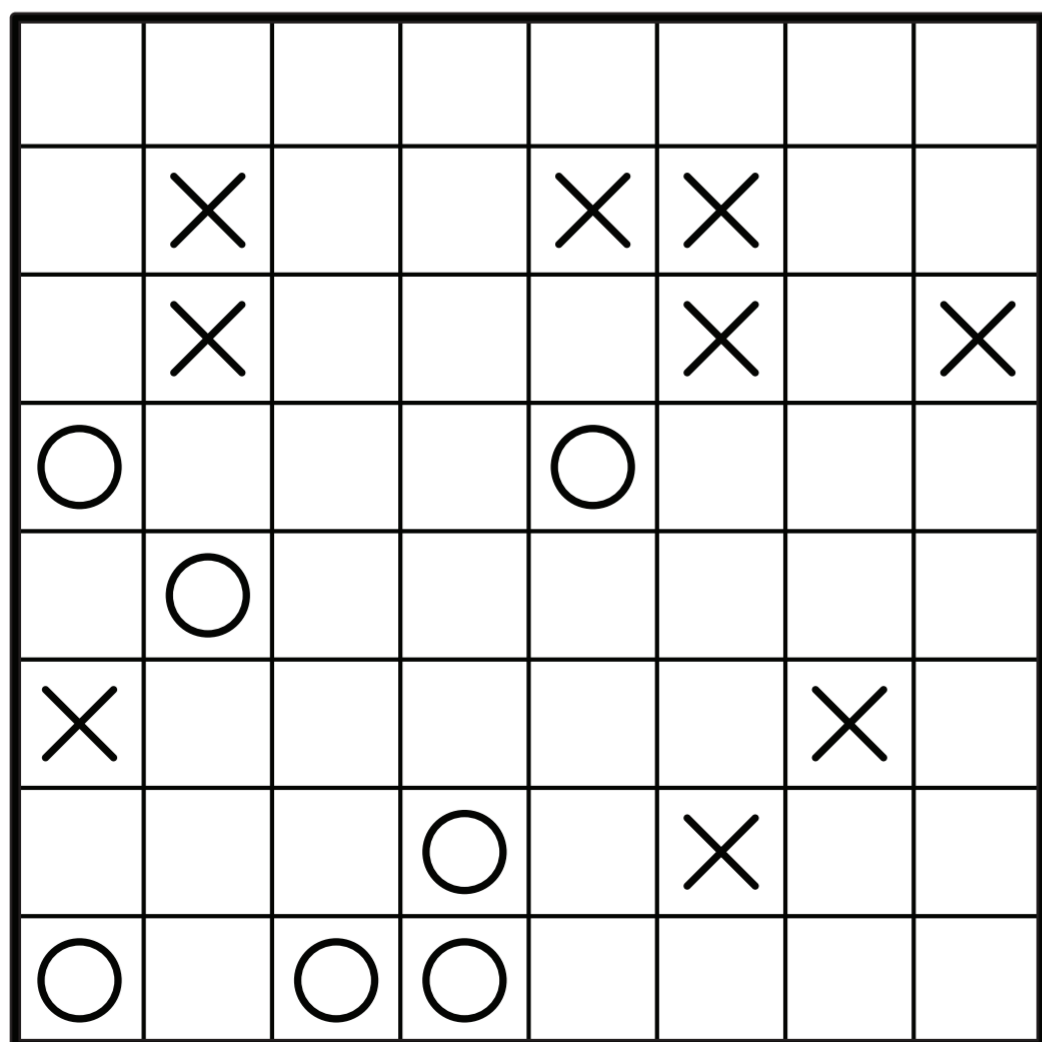
#1



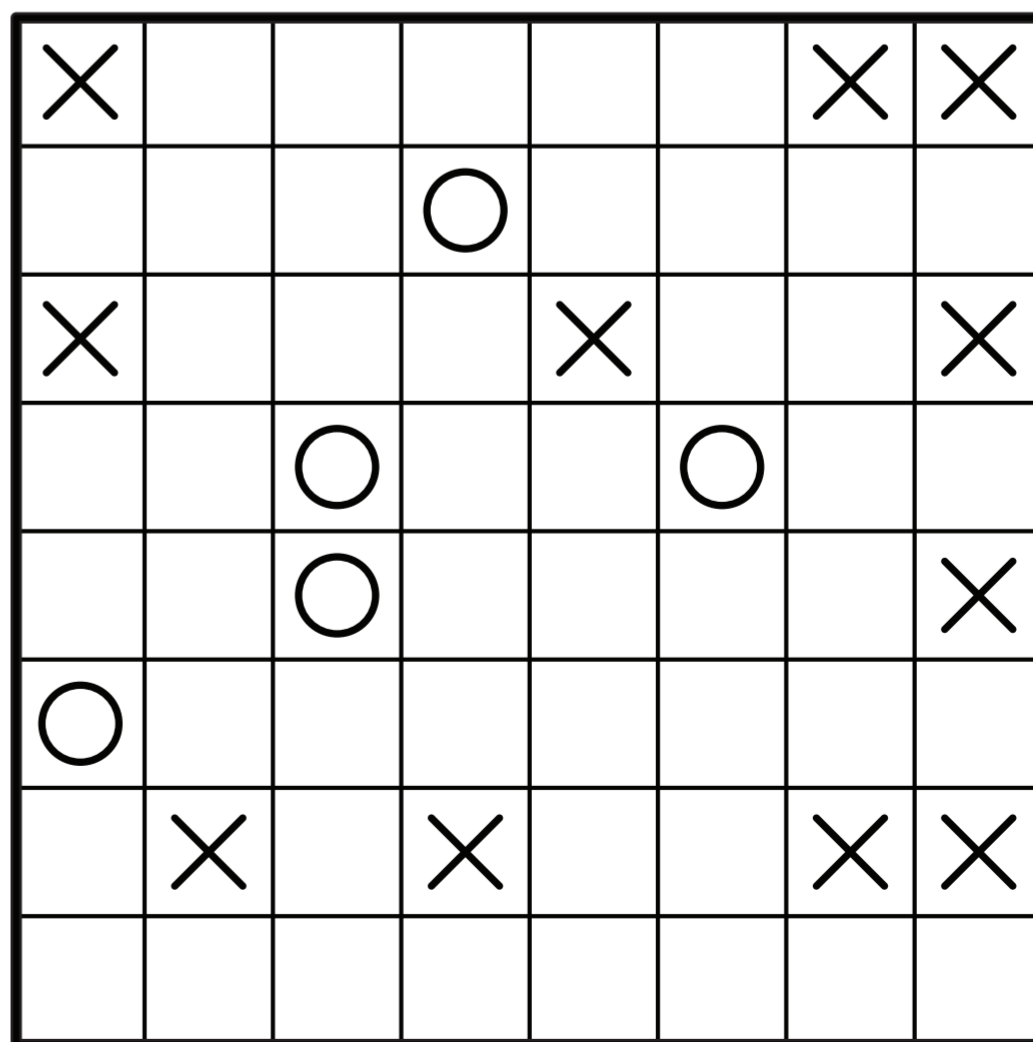
#2



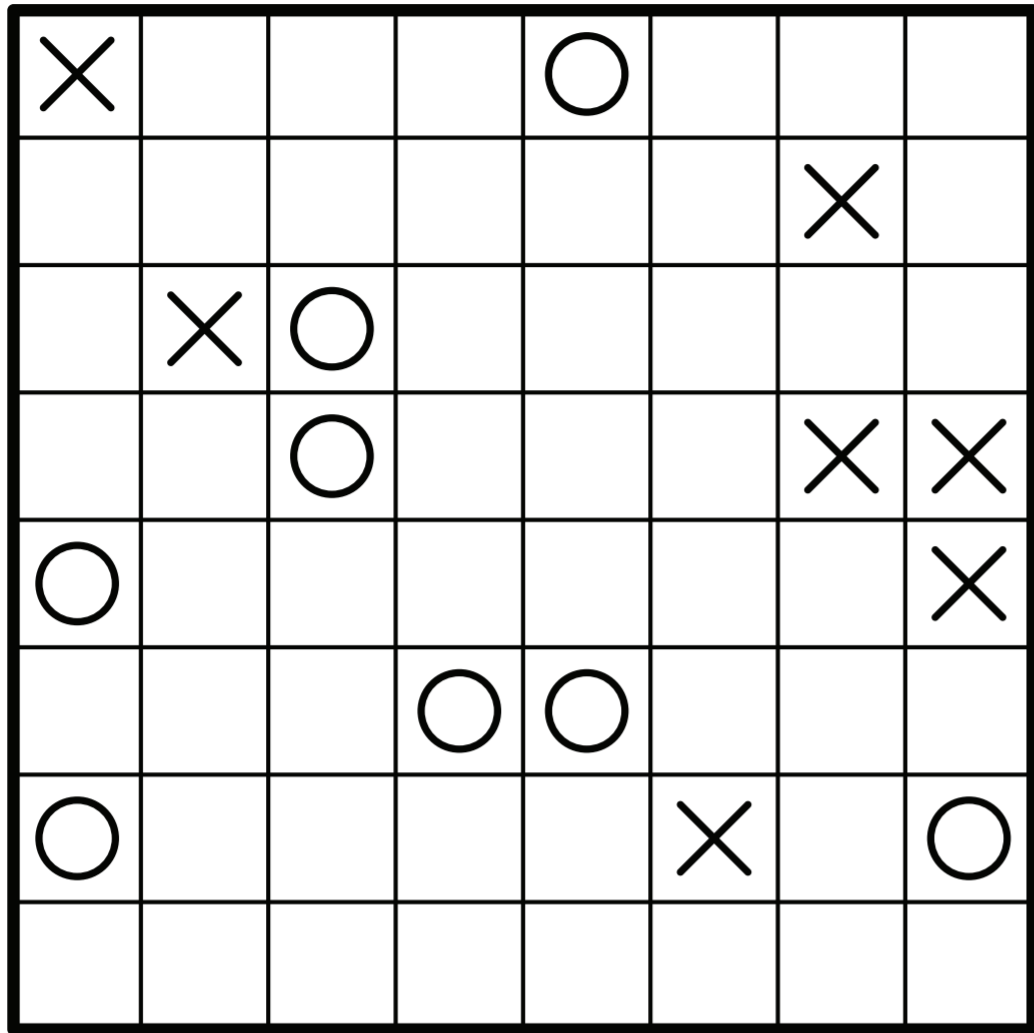
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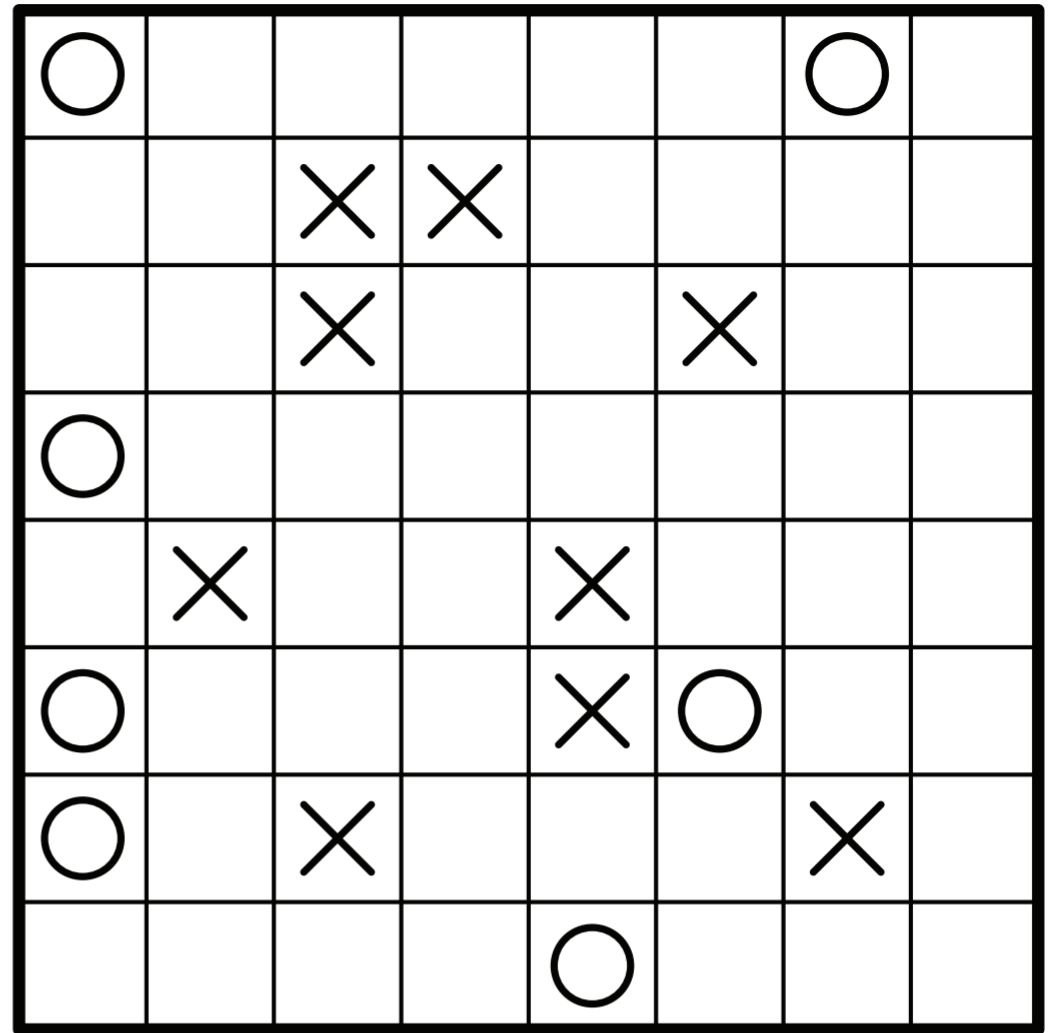
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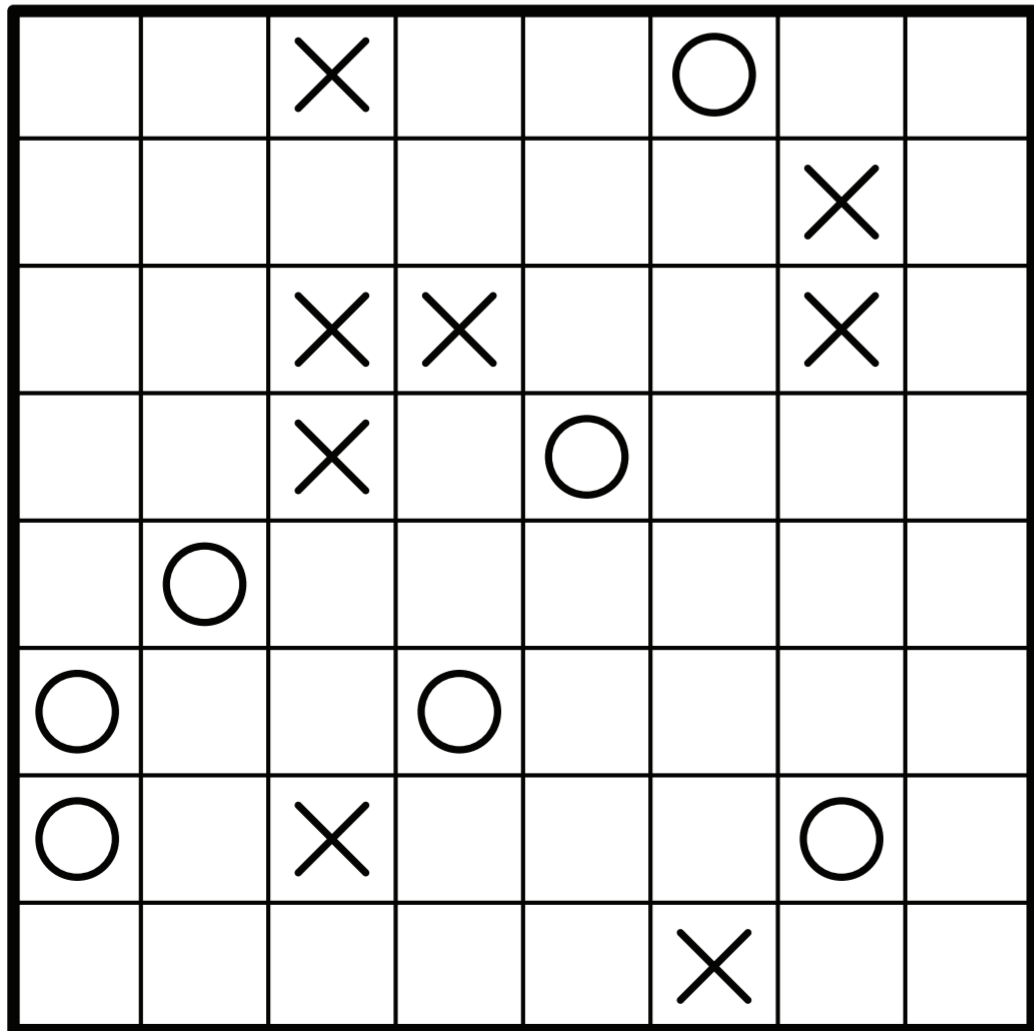
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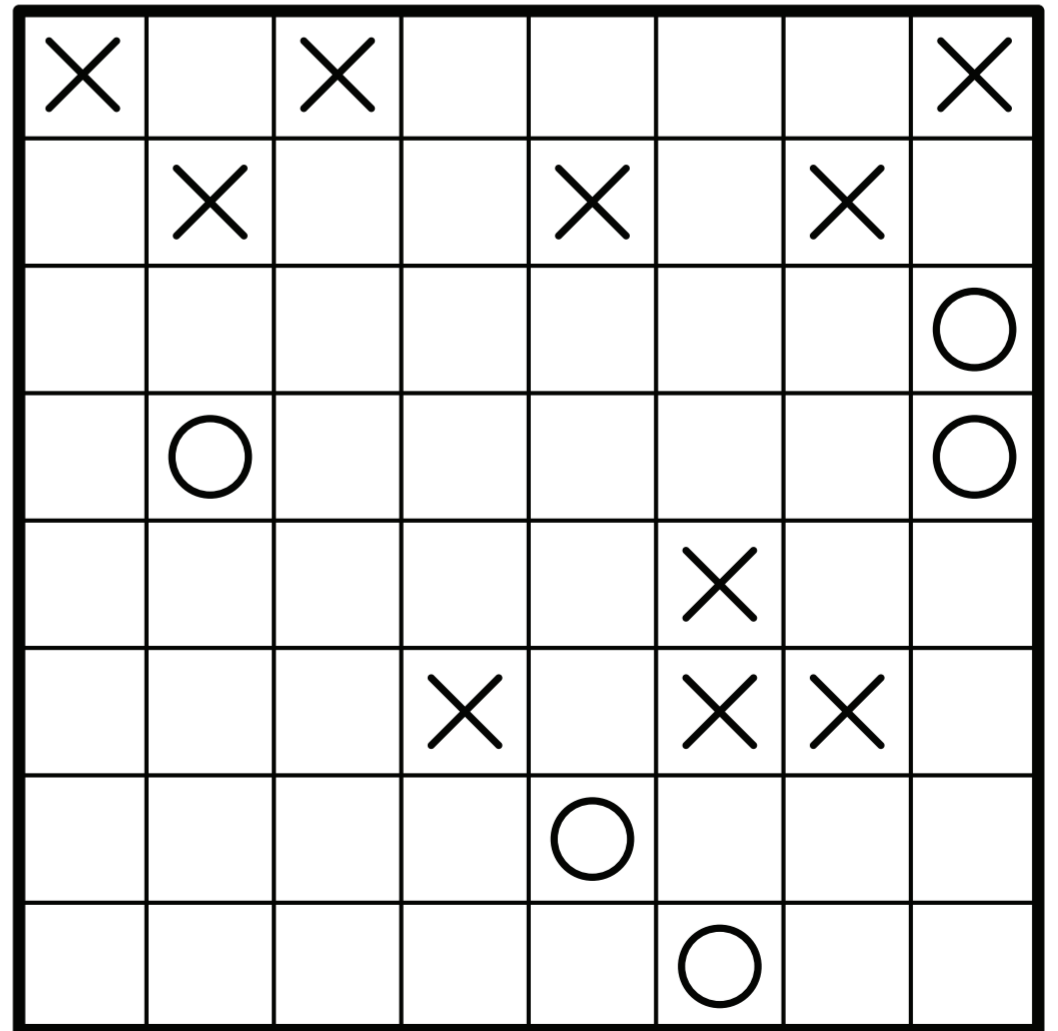
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#7

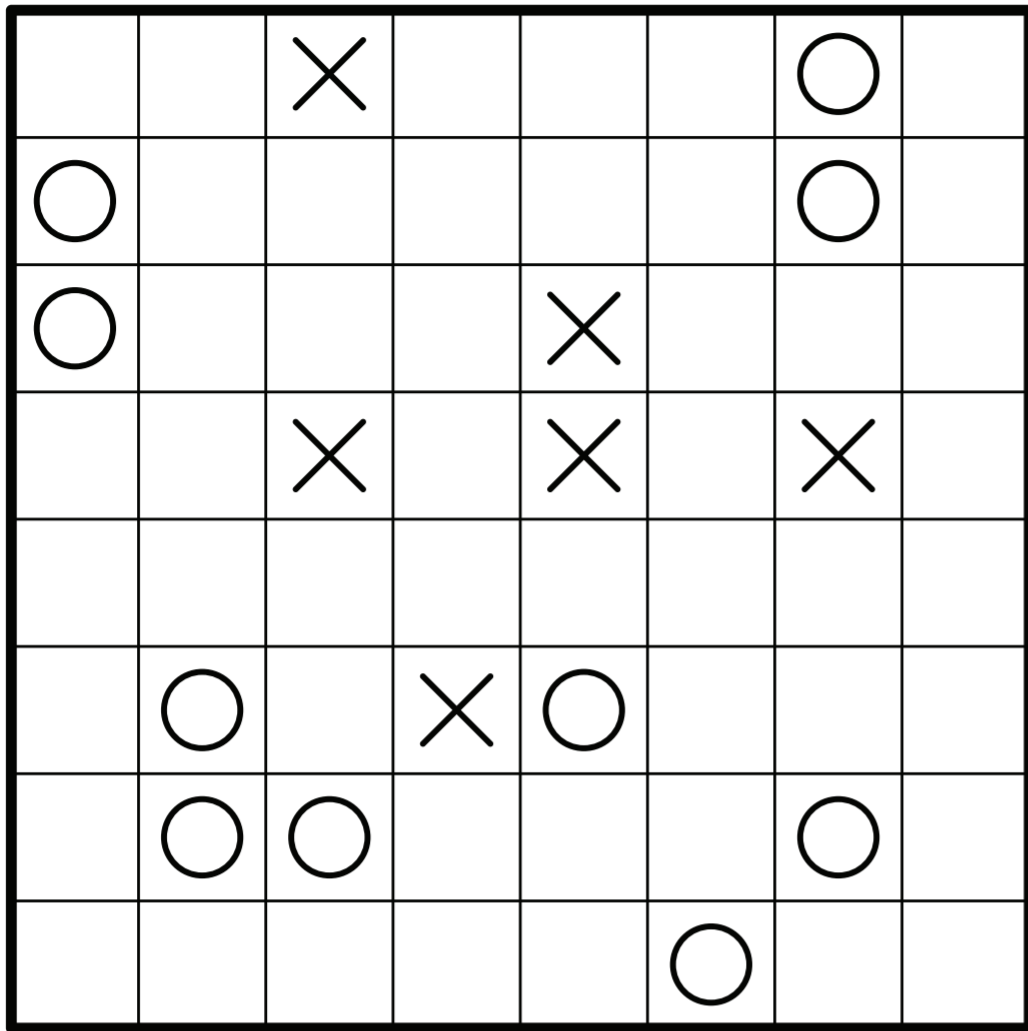


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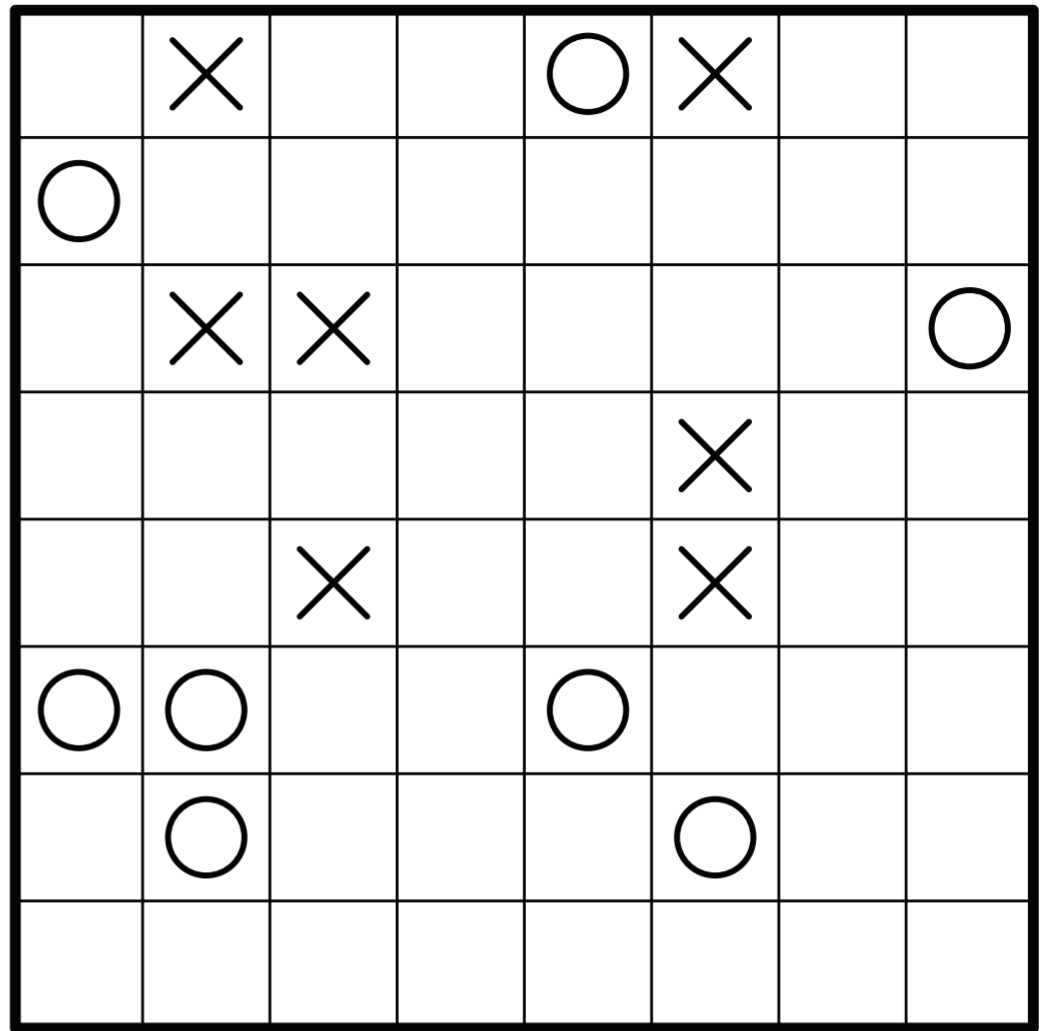




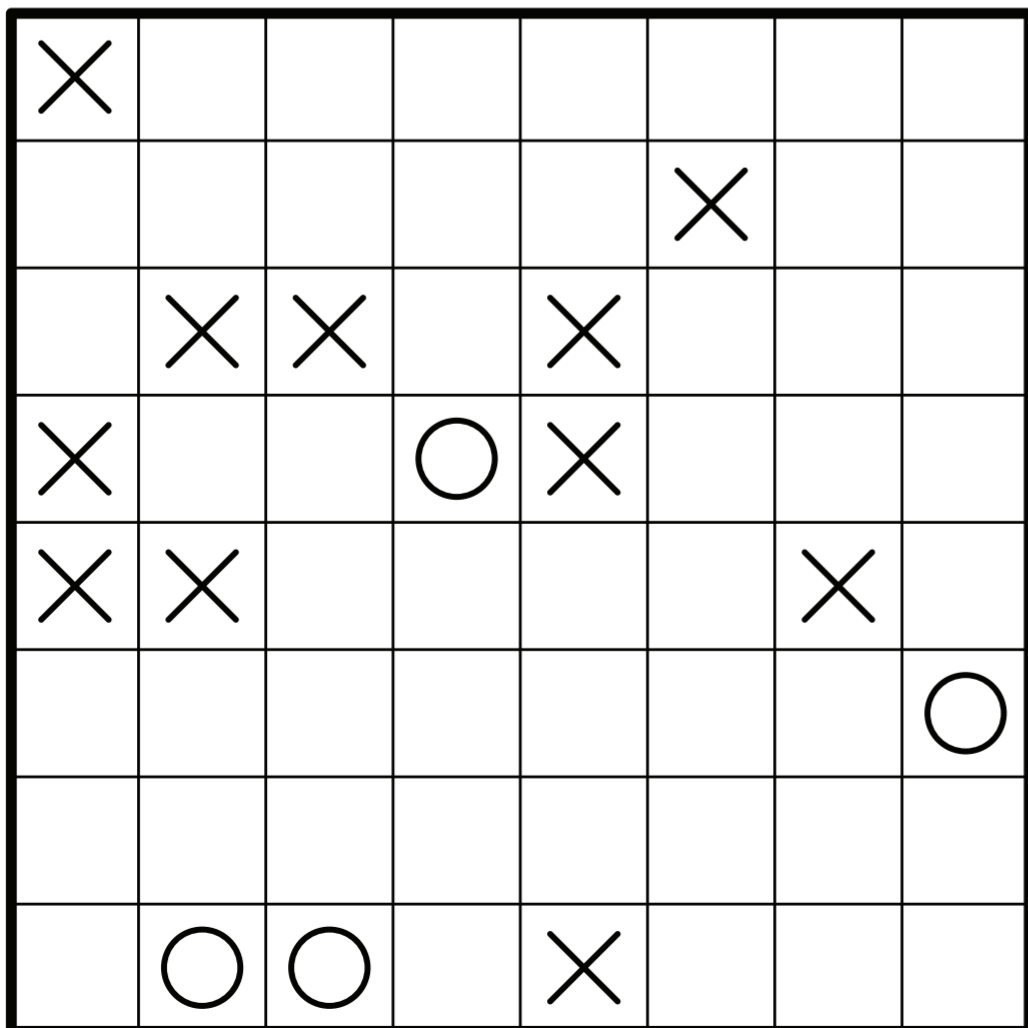
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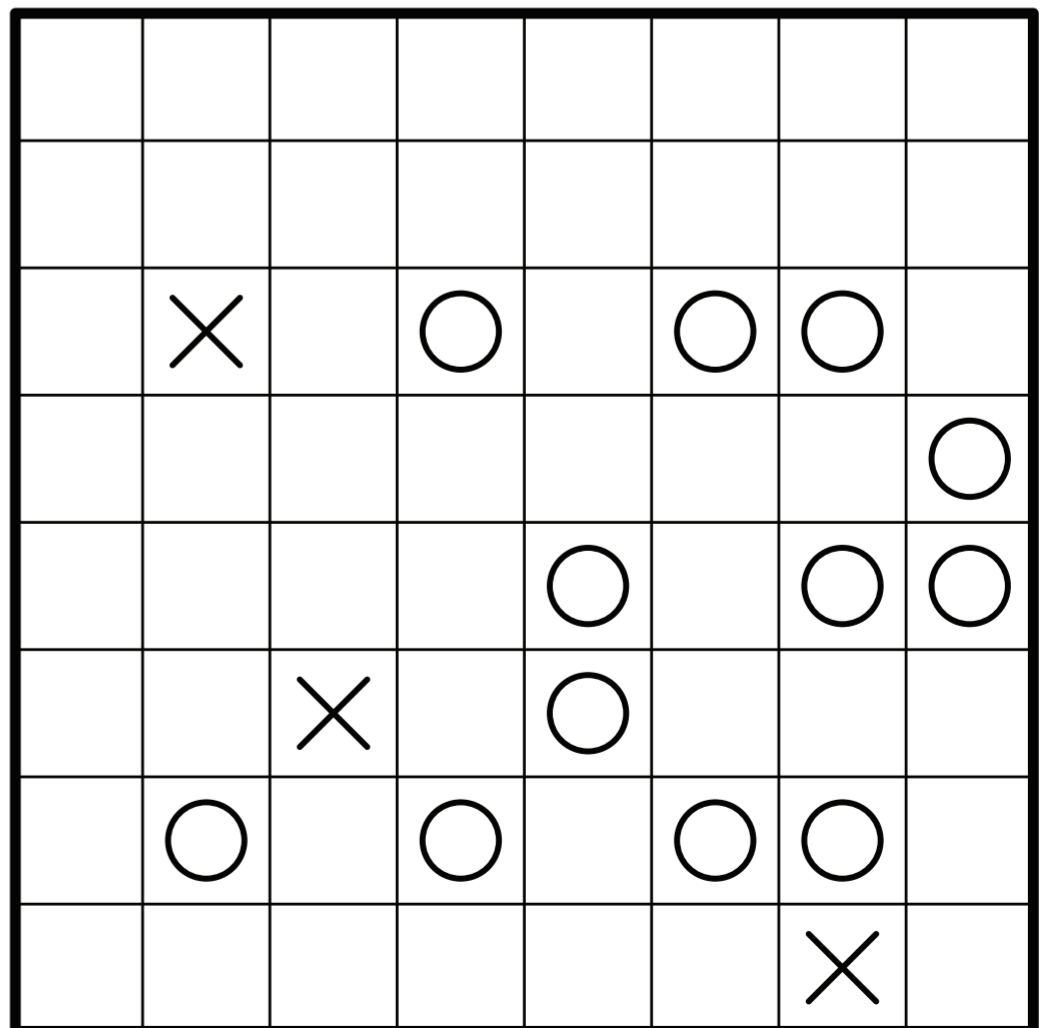
#10



#11



#12



#13

						X	
			X				
		X	X				O
X		O			X		
			O		X		
							O
		X				O	
		X	O				O

#14

	X	O					X
O						X	
		X	X		O		
		X	X				O
	X	X			O		
							X
				X	O		

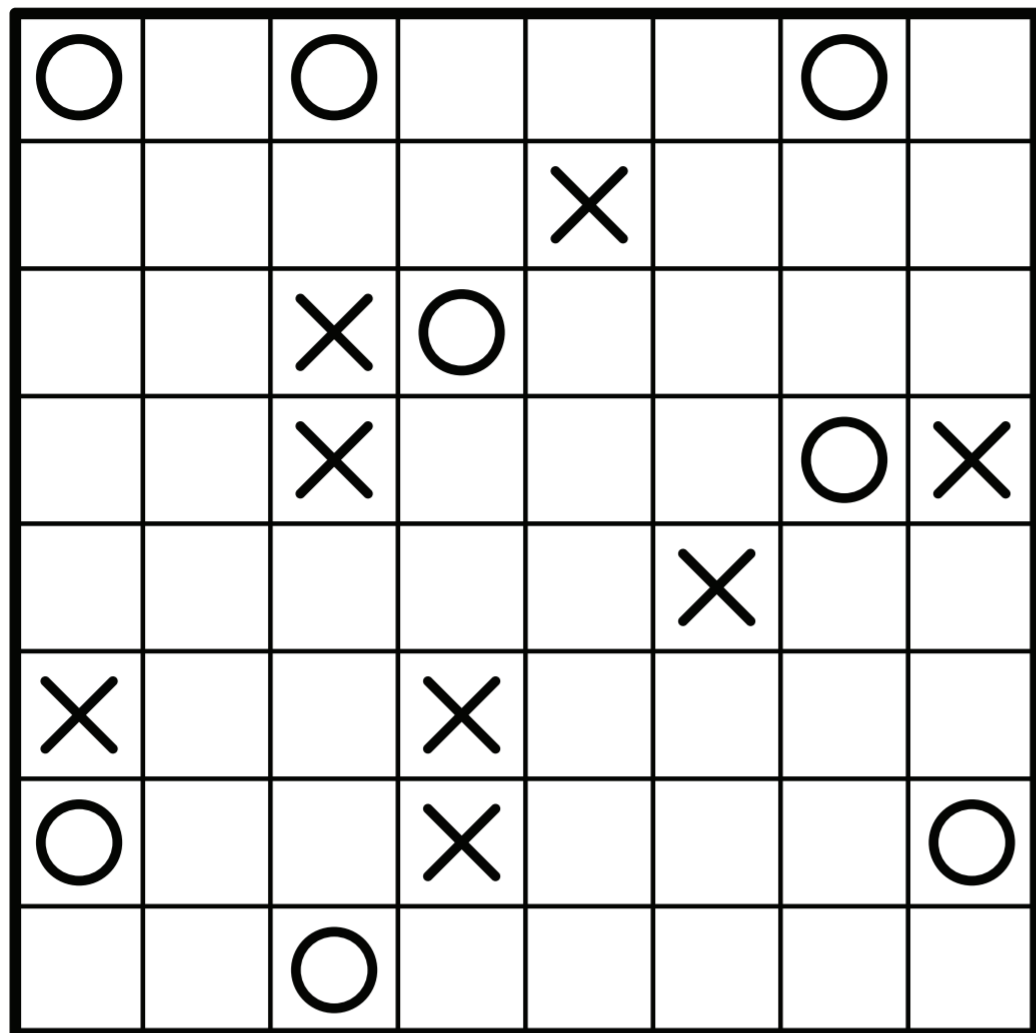
#15

X							
			O				
	X			X	X		
	X						
				O			O
O		O					
			X			X	
			X			O	O

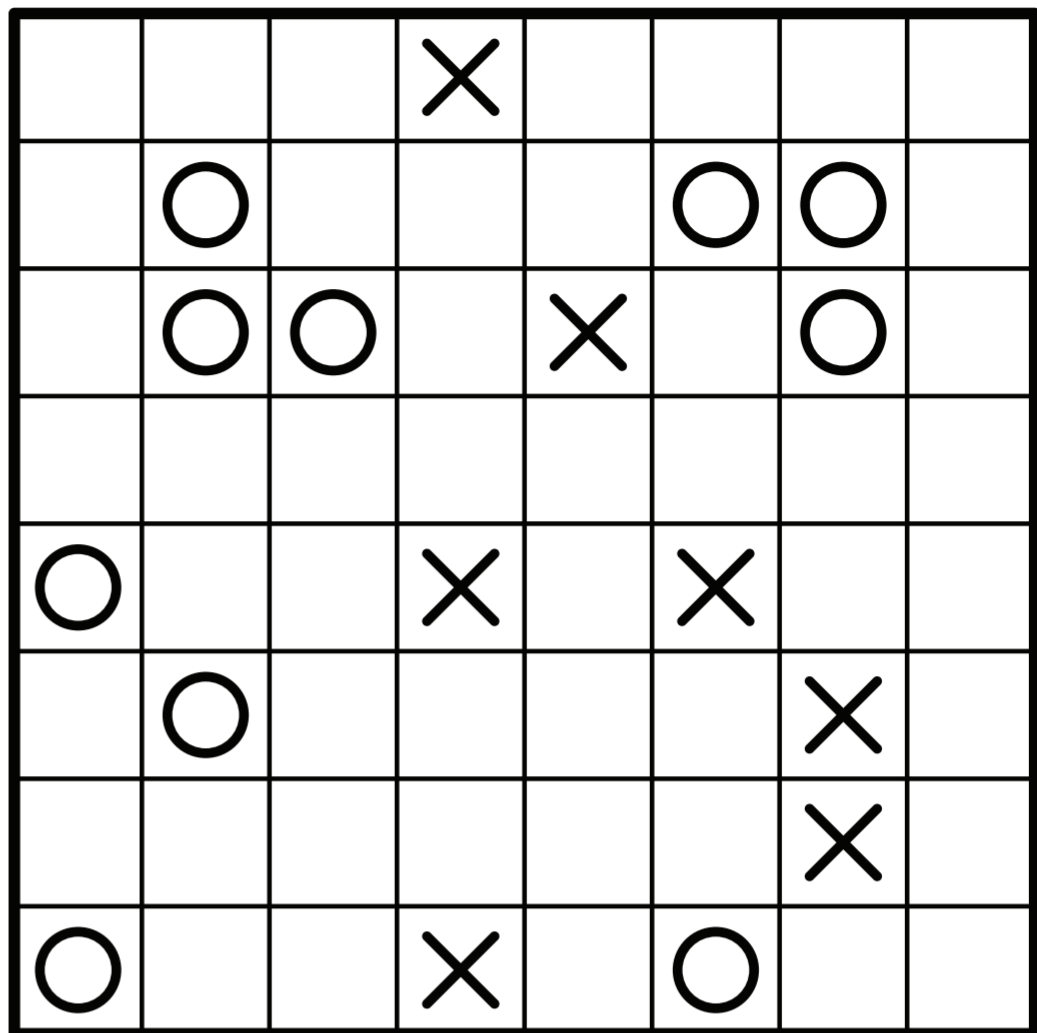
#16

	X						X
				O			O
			X	X			
O					O		
O							
				O			
O			X		X		X
					O		

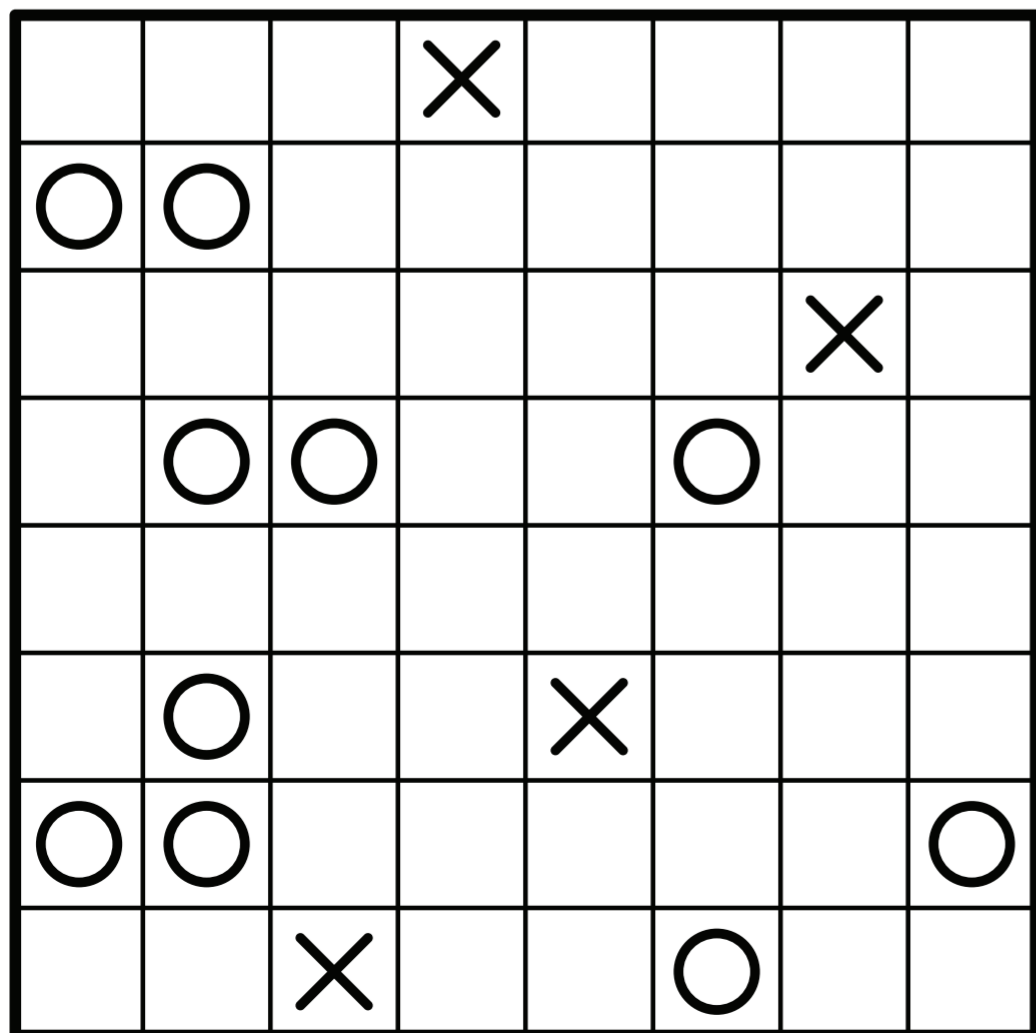
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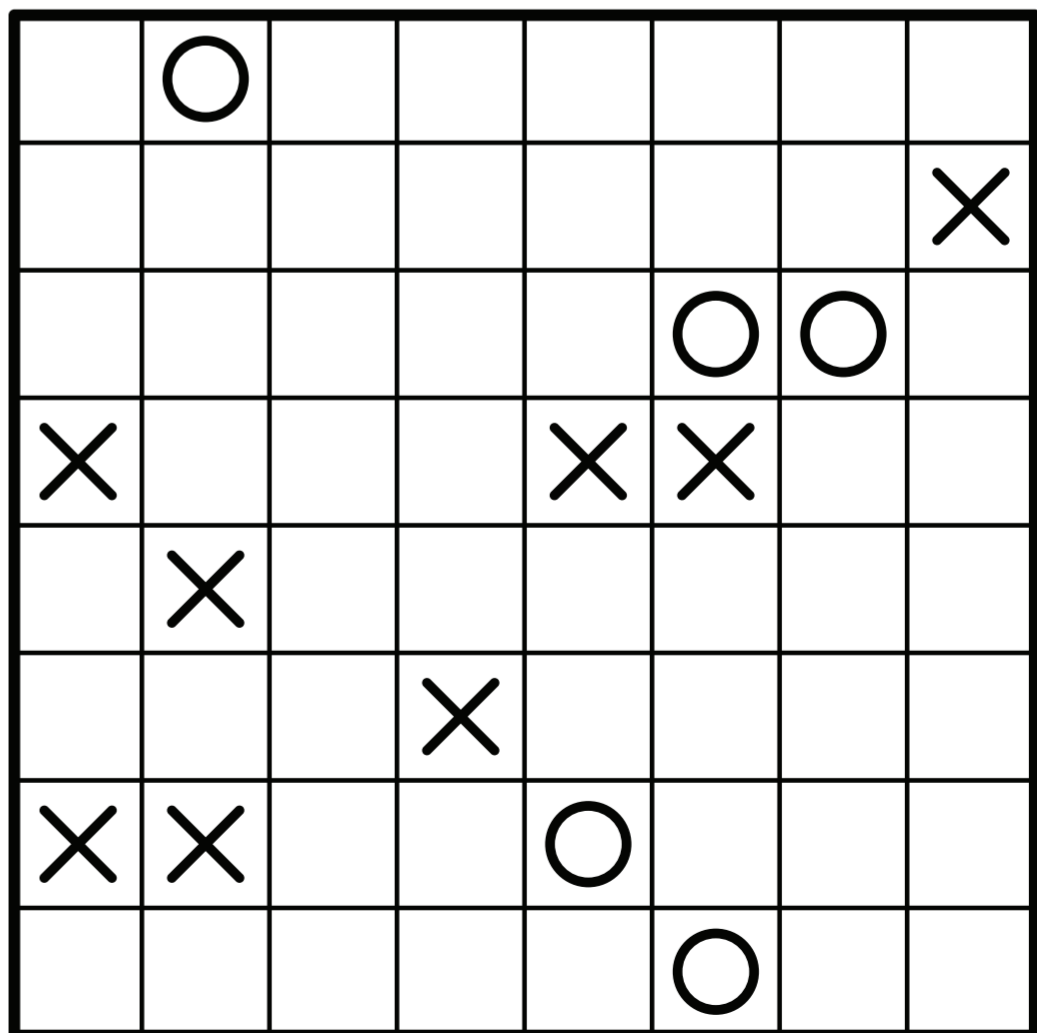
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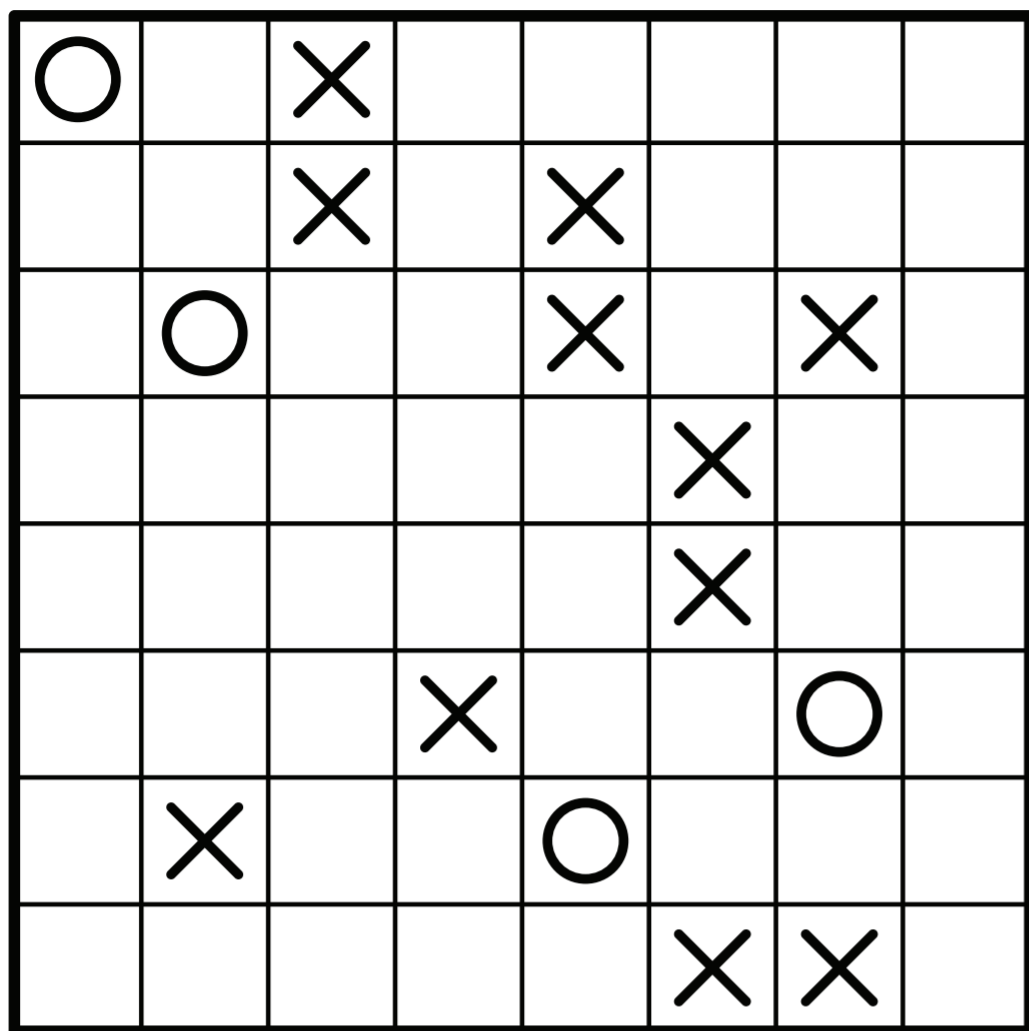
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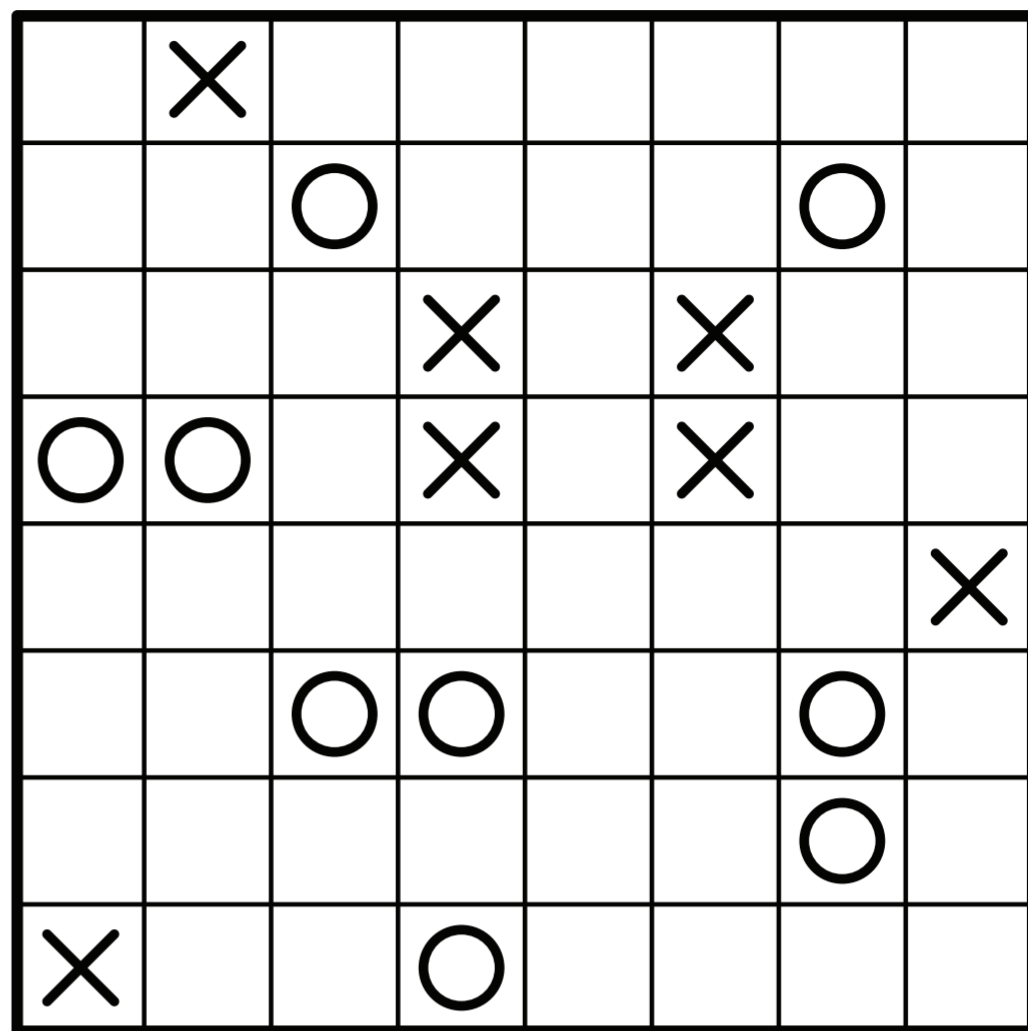
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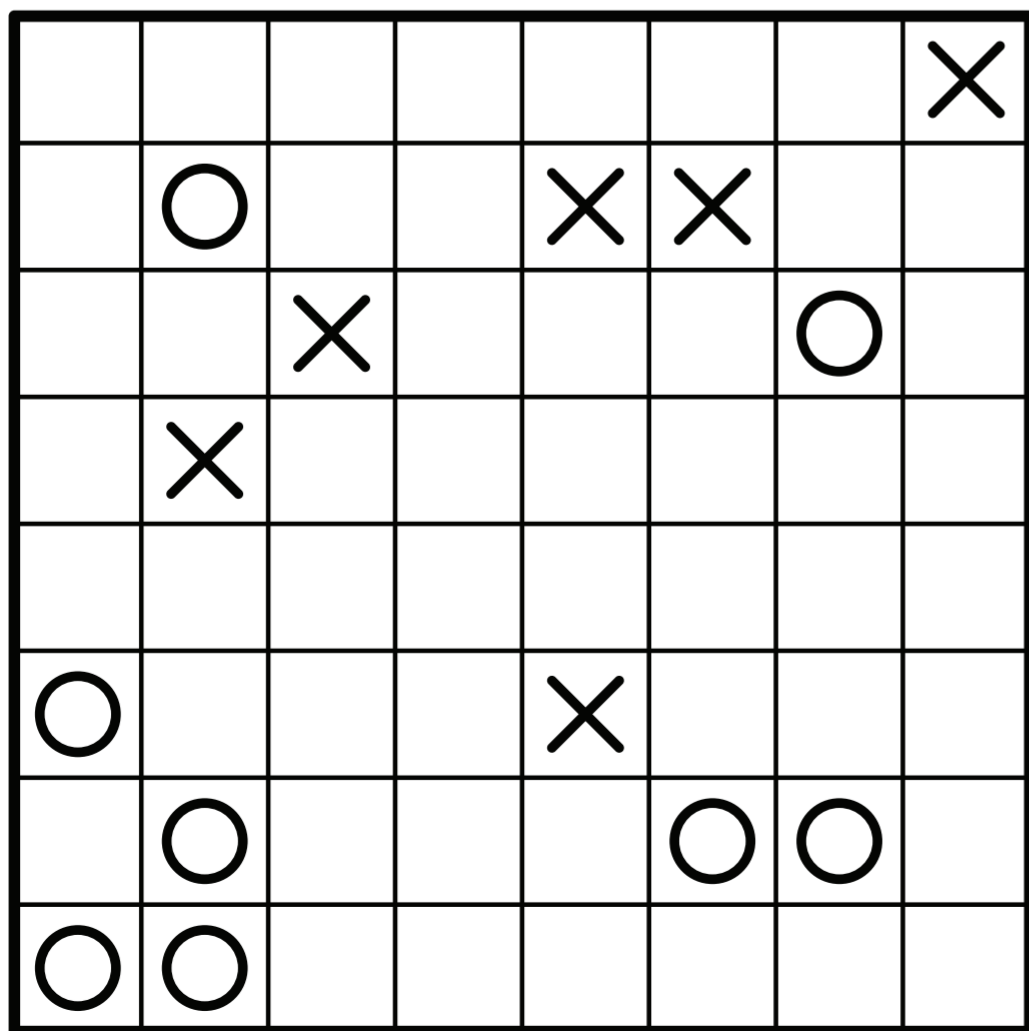
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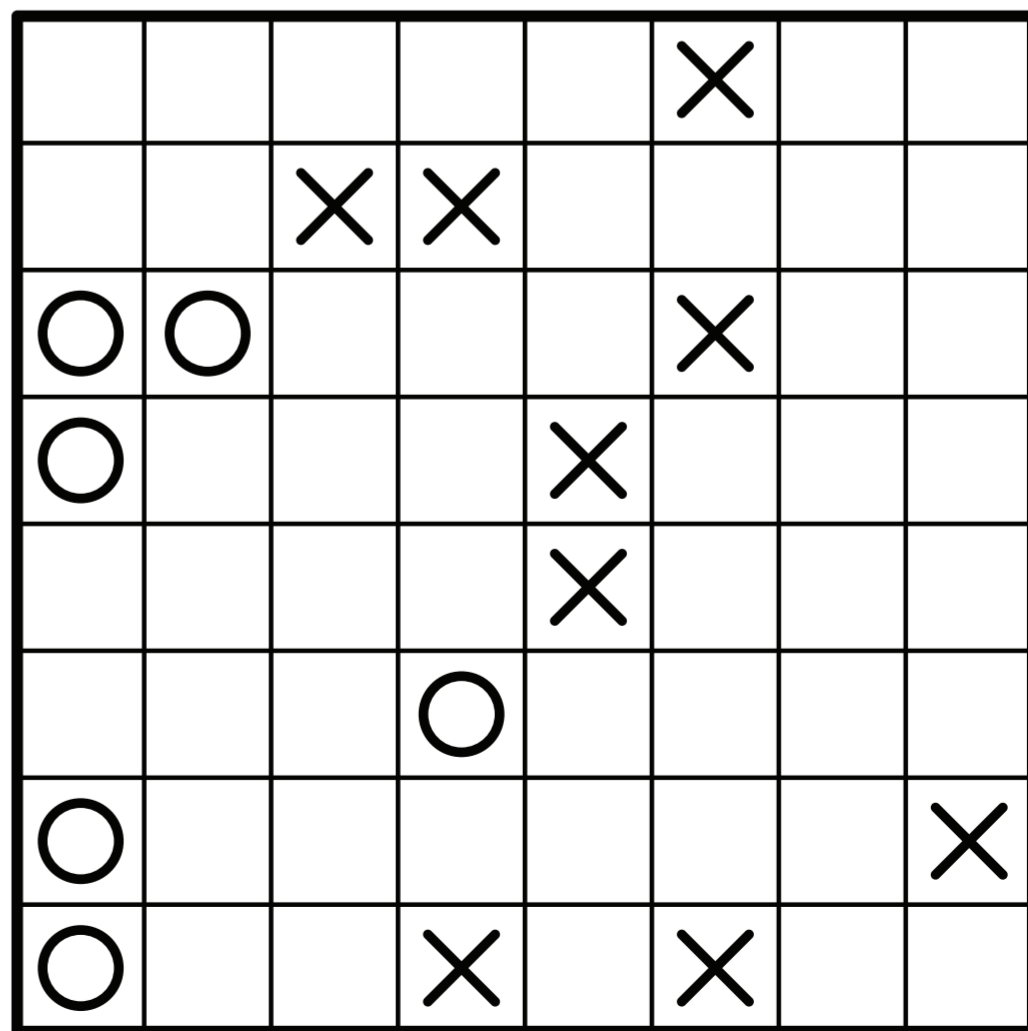
#22



#23

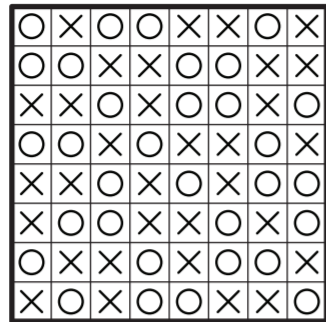


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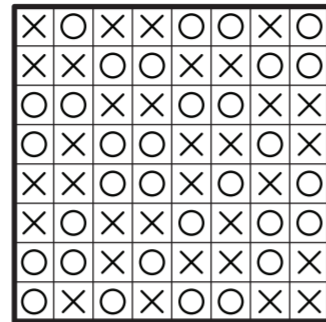


# ANSWERS

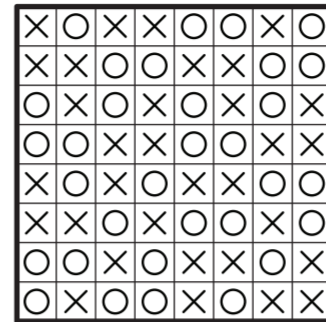
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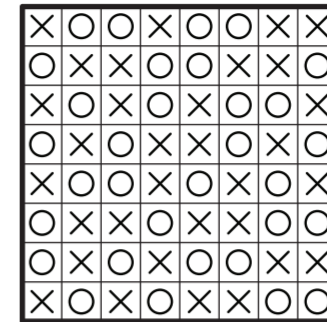
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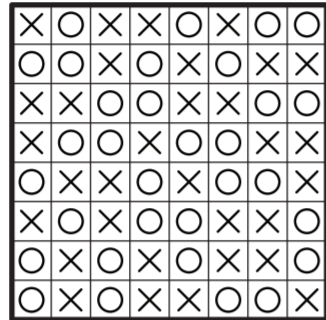
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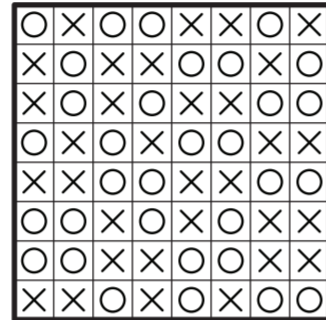
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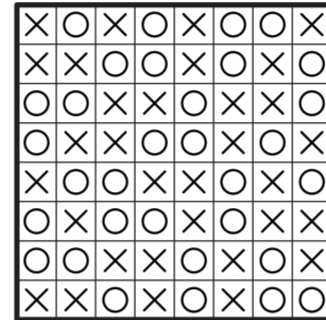
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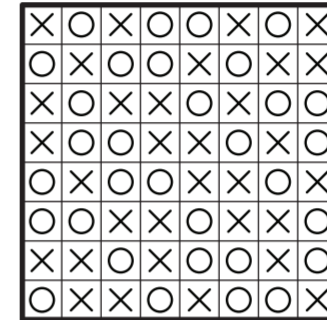
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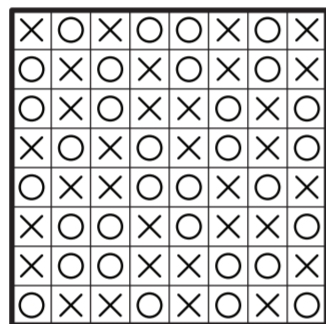
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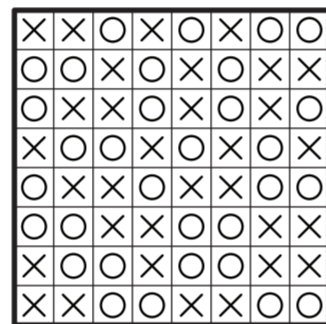
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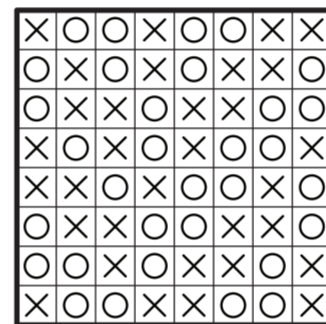
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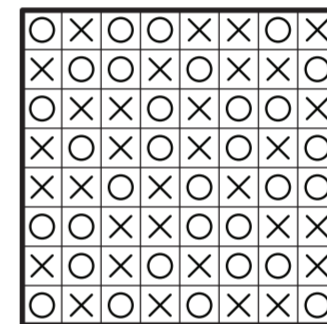
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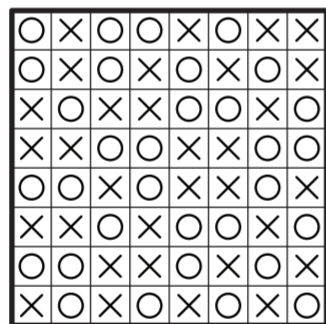
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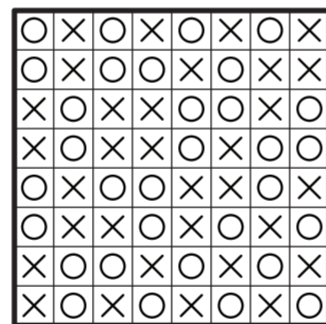
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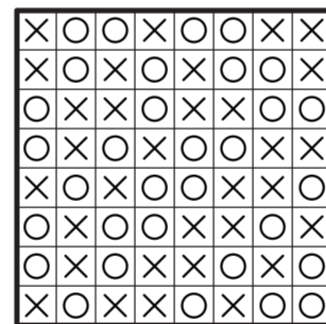
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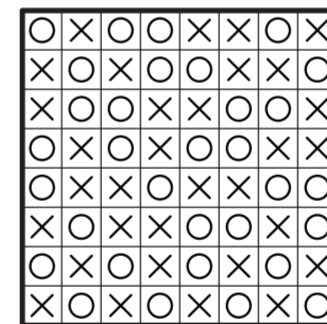
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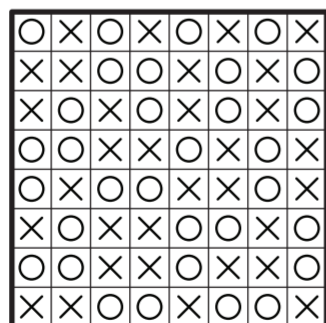
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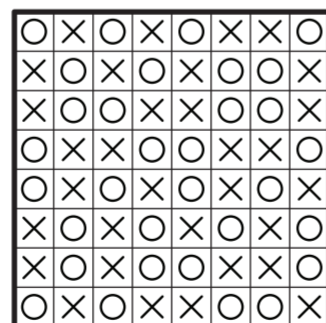
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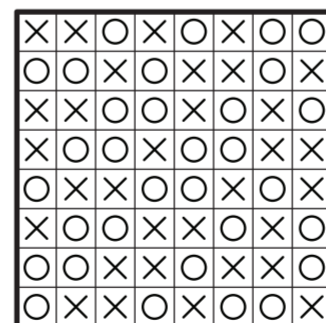
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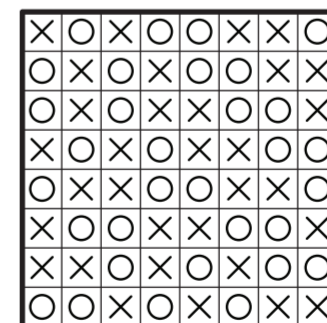
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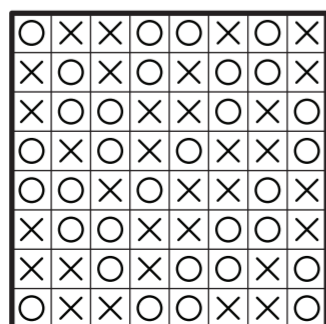
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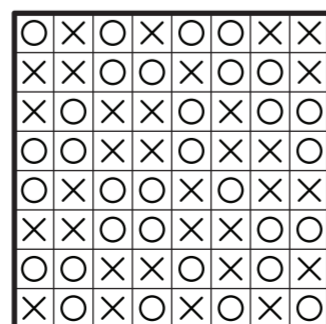
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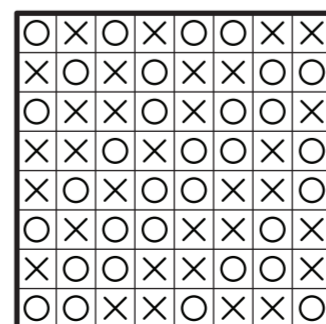
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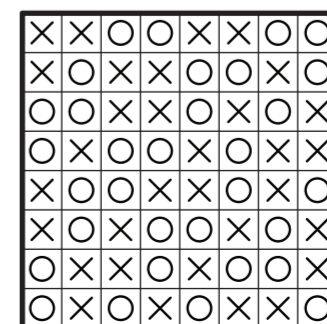
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#23



#24



# CROSS FIGURE

	1	2	3		4	5		
6		7			8			9
10	11		12	13			14	
15		16				17		
		18						
19	20					21	22	23
24			25		26		27	
		28			29	30		
	31				32			

## ACROSS

- Consecutive digits in order
- 2 down squared
- 27 across minus one
- See 30 down
- Its digits total 7 across
- Three times 28 across
- Its digits total five
- Consecutive digits in reverse order
- See 31 across
- 1 across squared
- Three times 8 across
- 31 across minus 29 across
- Five times 14 down
- 4 across reversed
- Square root of 25 across
- One digit is twice the other
- Four times 27 across
- Seven times 17 across
- Consecutive digits in order

## DOWN

- A third of 28 across
- See 6 down
- 23 down plus 28 down
- Four times 7 across
- 3 down plus 8 across
- 17 down minus 24 across
- Twice 27 across
- 32 across times 12 across
- First two digits of 17 across
- Consecutive digits unordered
- 14 across squared
- 21 across minus 4 across
- 28 down minus 14 across
- Its digits total 14 down
- Five times 30 down
- 25 across minus 27 across
- Three identical digits
- A square
- 8 across plus one

## Instructions:

A cross-figure (also variously called cross number puzzle or figure logic) is a puzzle similar to a crossword in structure, but with entries that consist of numbers rather than words, with individual digits being entered in the blank cells. The numbers can be clued in various ways:

The clue can make it possible to find the number required directly, by using general knowledge (e.g. "Date of the Battle of Hastings") or arithmetic (e.g. "27 times 79") or other mathematical facts (e.g. "Seventh prime number")

The clue may require arithmetic to be applied to another answer or answers (e.g. "25 across times 3" or "9 down minus 3 across")

The clue may indicate possible answers but make it impossible to give the correct one without using crosslights (e.g. "A prime number")

One answer may be related to another in a non-determinate way (e.g. "A multiple of 24 down" or "5 across with its digits rearranged")

Some entries may either not be clued at all, or refer to another clue (e.g. 7 down may be clued as "See 13 down" if 13 down reads "7 down plus 5")

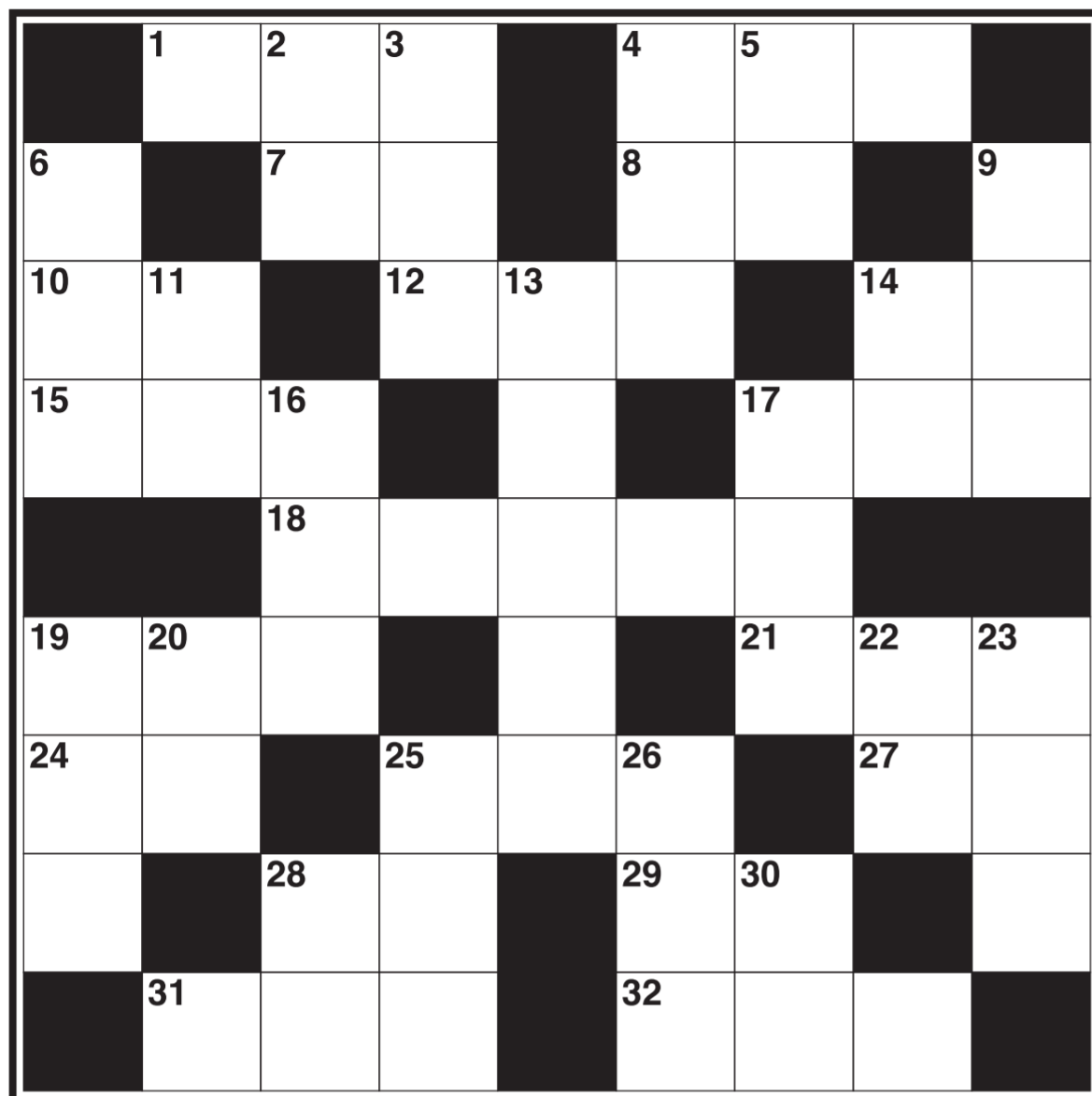
Entries may be grouped together for clueing purposes, e.g. "1 across, 12 across, and 17 across together contain all the digits except 0"

Some cross-figures use an algebraic type of clue, with various letters taking unknown values (e.g. "A - 2B, where neither A nor B is known in advance")

## ANSWER

	1	2	3		4	4	1	
3		1	1		8	4		1
9	2		1	8	9		1	4
5	4	3		6		1	0	6
		1	5	1	2	9		
2	5	2		8		6	9	4
5	0		1	4	4		1	2
3		6	3		4	8		5
	7	4	2		4	5	6	

# CROSS FIGURE #1



## ACROSS

1. Consecutive digits in order
4. 2 down squared
7. 27 across minus one
8. See 30 down
10. Its digits total 7 across
12. Three times 28 across
14. Its digits total five
15. Consecutive digits in reverse order
17. See 31 across
18. 1 across squared
19. Three times 8 across
21. 31 across minus 29 across
24. Five times 14 down
25. 4 across reversed
27. Square root of 25 across
28. One digit is twice the other
29. Four times 27 across
31. Seven times 17 across
32. Consecutive digits in order

## DOWN

2. A third of 28 across
3. See 6 down
4. 23 down plus 28 down
5. Four times 7 across
6. 3 down plus 8 across
9. 17 down minus 24 across
11. Twice 27 across
13. 32 across times 12 across
14. First two digits of 17 across
16. Consecutive digits unordered
17. 14 across squared
19. 21 across minus 4 across
20. 28 down minus 14 across
22. Its digits total 14 down
23. Five times 30 down
25. 25 across minus 27 across
26. Three identical digits
28. A square
30. 8 across plus one

Scratch Area

# CROSS FIGURE #2

1	2	3			4	5	6
7			8		9		
10			11	12		13	
	14	15			16		
		17					
	18				19	20	
21			22		23	24	25
26		27			28	29	
30					31		

## ACROSS

- 22 across plus 27 down
- 21 down minus 8 down
- 11 across times 21 across
- 16 across times 23 down
- See 18 down
- Three times 22 across
- 16 across plus 19 across
- Half of 21 down
- 22 down plus 9 down
- 24 across times 31 across
- See 9 down
- Mean of 16 across and 24 across
- See 4 down
- Consecutive digits in order
- 8 down plus 4 down
- 10 across squared
- Its digits total thirteen
- 16 down plus 25 down
- Three times 1 across

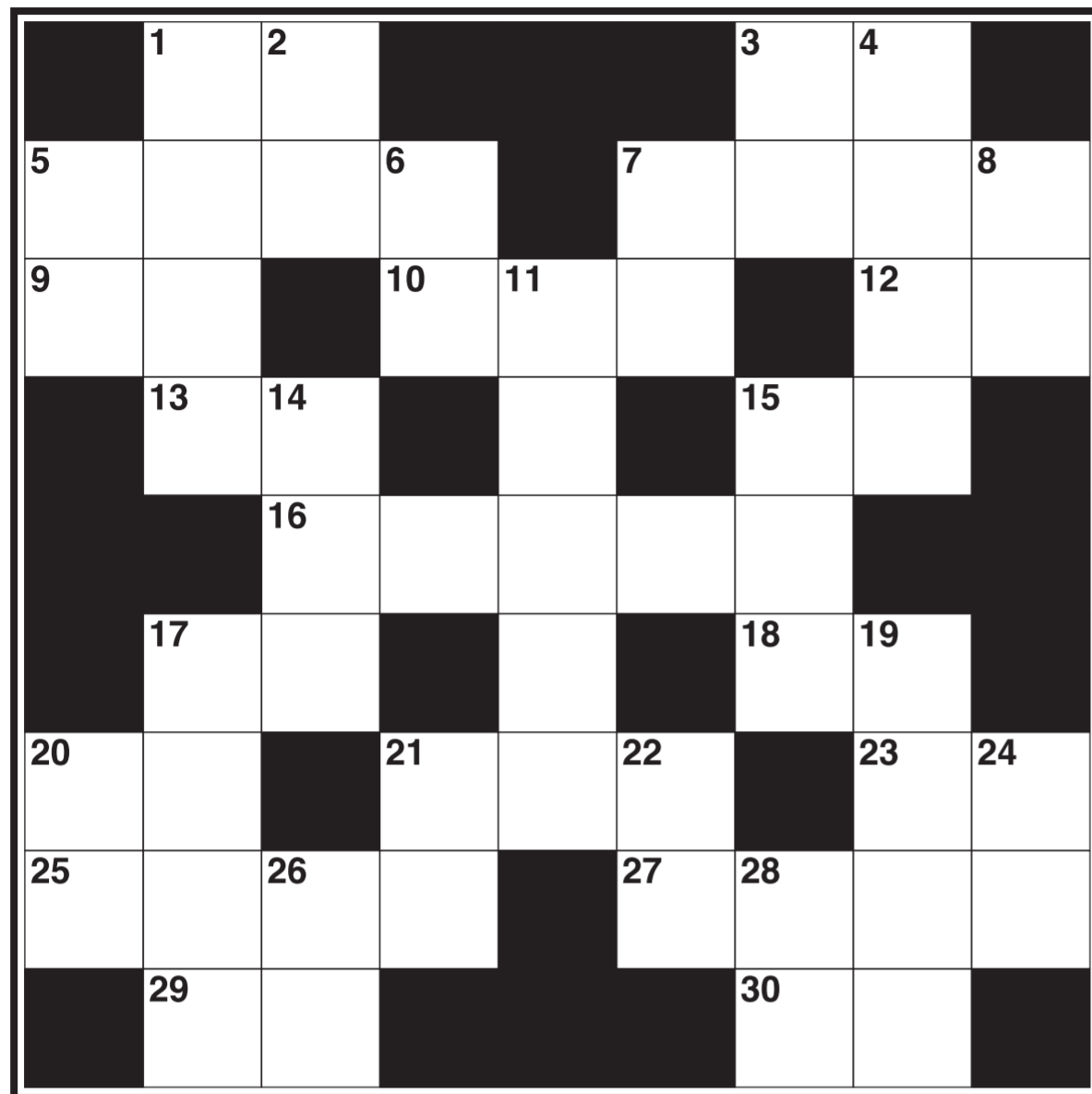
## DOWN

- Seven times 3 down
- 14 across times 13 across
- Twice 4 down
- Two thirds of 21 across
- 20 down minus half of 14 across
- 25 down plus eleven
- See 4 across
- Mean of 18 across and 21 across
- 1 down times 11 across
- Five times 10 across
- First and last digit are the same
- 10 across times 24 across
- 22 across times 24 across
- 22 down times 4 down
- Two fifths of 24 across
- 21 across plus 9 down
- See 30 across
- See 29 down
- 24 across plus 27 down

Scratch Area



# CROSS FIGURE #3



## ACROSS

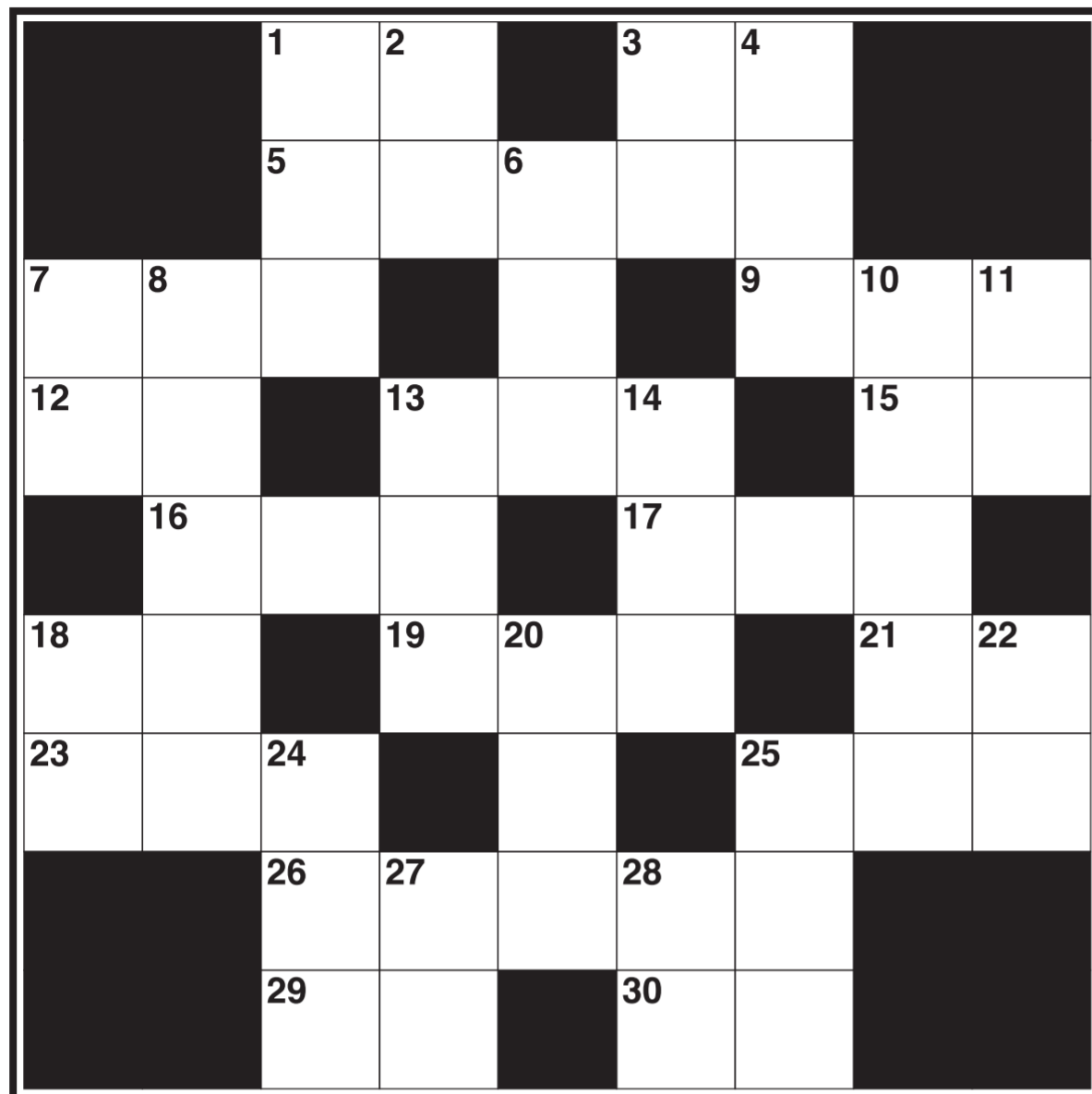
1. Twice 15 across
3. The sum of digits in 4 down
5. See 25 across
7. 3 across times 15 down
9. 2 down plus 21 down
10. See 1 down
12. Four times 21 down
13. 5 down plus 28 down
15. Mean of 23 across and 7 down
16. Three times 1 down
17. Half of 15 across
18. 21 across minus 8 down
20. Same as 20 down
21. 4 down divided by eight
23. 2 down minus 5 down
25. Twice 5 across
27. Three times 17 down
29. See 3 down
30. 12 across plus 21 down

## DOWN

1. Five times 10 across
2. See 19 down
3. 29 across plus one
4. See 11 down
5. 1 across minus 3 down
6. 9 across plus 29 across
7. 20 across minus 17 across
8. Mean of 6 down and 22 down
11. 3 down times 4 down
14. 5 across divided by seven
15. Three times 8 down
17. 13 across times 28 down
19. 2 down times 30 across
20. 23 across plus 24 down
21. See 12 across
22. Twice 2 down
24. Square root of 21 across
26. 20 across plus 7 down
28. 5 down plus one

Scratch Area

# CROSS FIGURE #4



## ACROSS

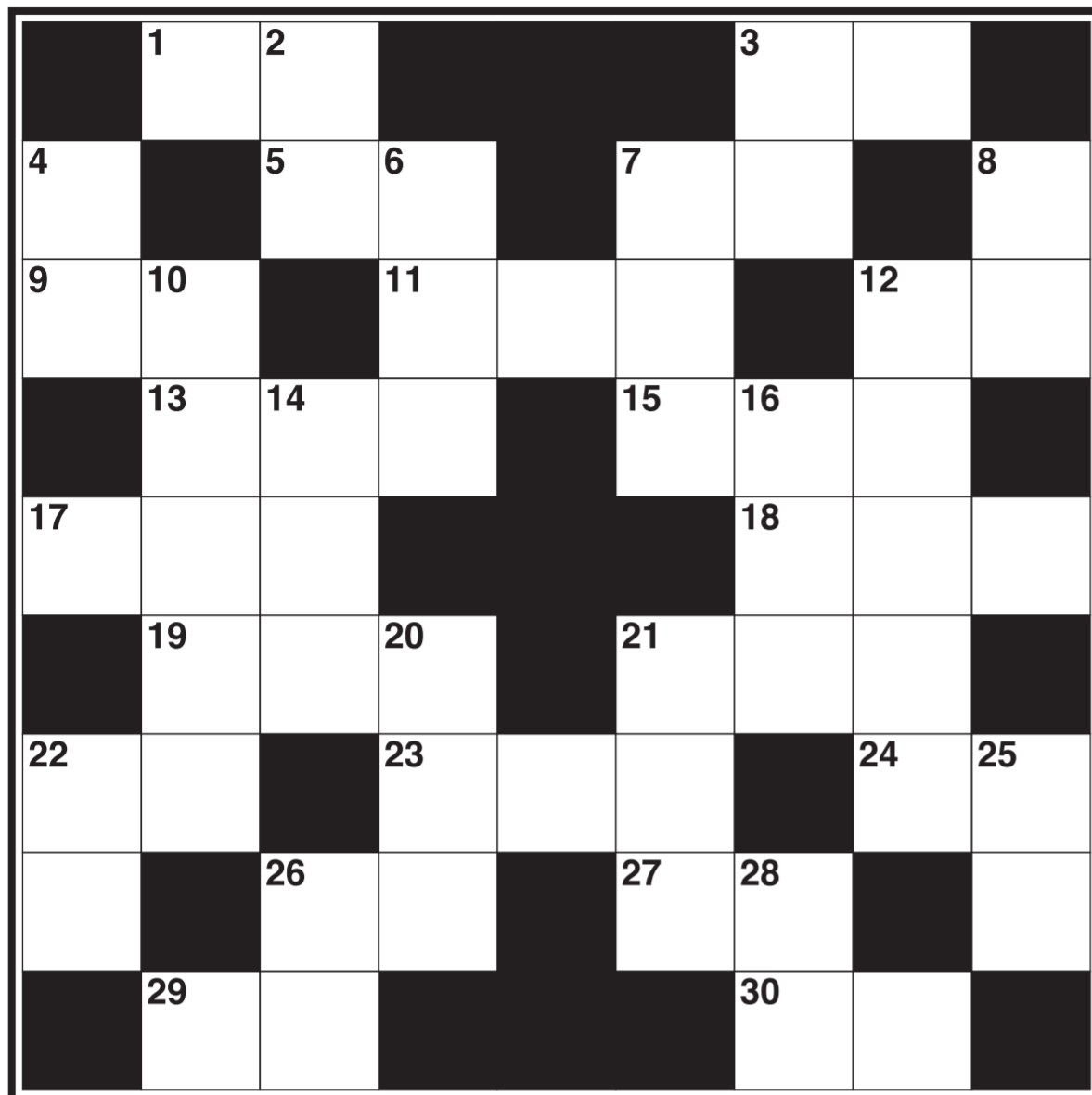
1. See 29 across
3. 29 across plus 18 down
5. 13 across squared
7. 29 across plus 2 down
9. Nine times 29 across
12. 27 down minus 29 across
13. 16 across minus 23 across
15. 30 across plus 27 down
16. Twice 1 down
17. Twice 19 across
18. See 22 down
19. Three times 4 down
21. 2 down minus 28 down
23. See 13 across
25. 16 across minus 7 across
26. 7 across squared
29. 1 across plus 12 across
30. See 15 across

## DOWN

1. See 16 across
2. 18 across plus 22 down
3. Three times 28 down
4. Four times 11 down
6. 23 across plus 21 across
7. Half of 28 down
8. 4 down squared
10. Its digits total twenty seven
11. See 4 down
13. 14 down minus 2 down
14. See 13 down
18. See 3 across
20. 24 down minus 23 across
22. Five times 18 across
24. See 20 down
25. 1 down plus 13 down
27. 21 across plus one
28. See 7 down

Scratch Area

# CROSS FIGURE #5



## ACROSS

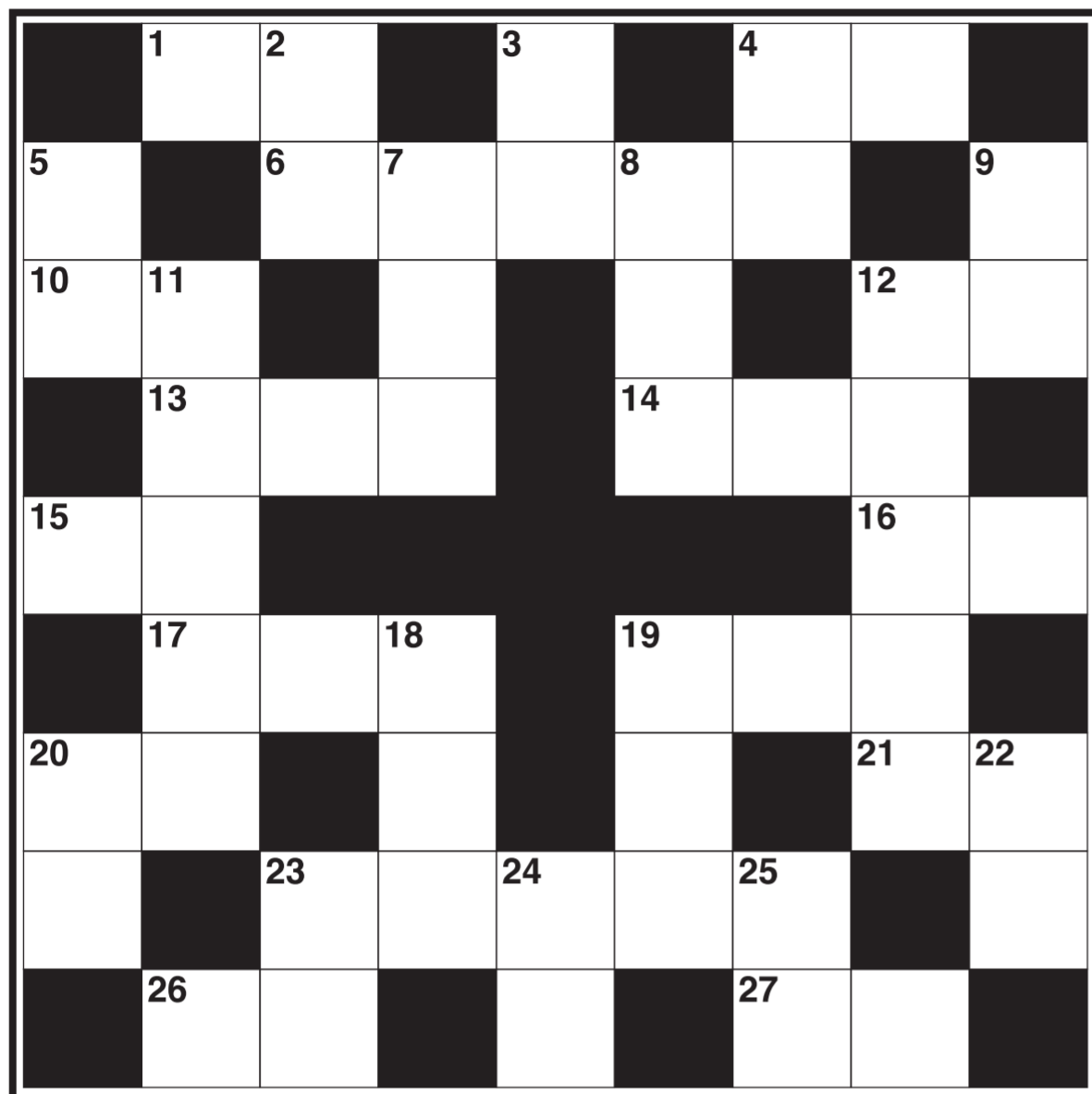
1. 12 across plus 26 down
3. 9 across plus 26 down
5. 3 down plus 24 across
7. 9 across plus 4 down
9. 8 down minus 7 across
11. Seven times 3 down
12. 29 across minus 27 across
13. Five times 18 across
15. 4 down times 9 across
17. Twice 22 down
18. Three times 3 across
19. 28 down times 12 across
21. 15 across plus 19 across
22. 9 across plus 30 across
23. Twice 18 across
24. 1 across plus 28 down
26. 10 down divided by 6 down
27. Three times 28 down
29. A square
30. 3 down plus 7 across

## DOWN

2. 24 across plus 26 down
3. 22 across minus 8 down
4. 22 across minus 24 across
6. Five times 20 down
7. 19 across plus 14 down
8. 2 down minus 26 across
10. 20 down squared
12. 18 across squared
14. Three times 30 across
16. 12 across times 3 down
20. Five times 26 across
21. Sum of digits is ten
22. A square
25. 12 across plus 4 down
26. 9 across plus 12 across
28. 22 across divided by five

Scratch Area

# CROSS FIGURE #6



## ACROSS

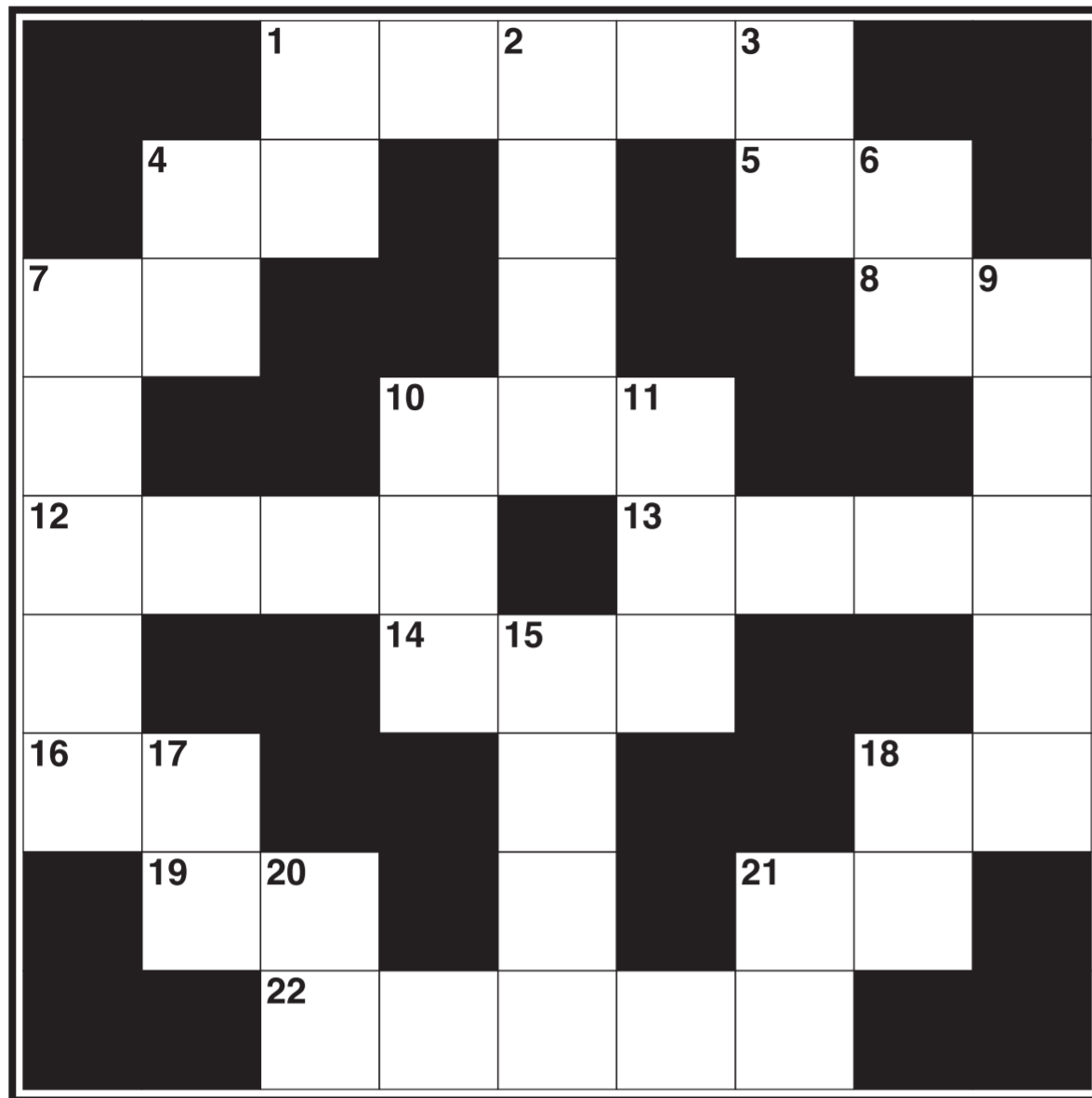
1. 4 down minus 26 across
4. 10 across plus 12 across
6. 18 down times 23 down
10. 3 down minus 4 across
12. 2 down minus 26 across
13. Nine times 25 down
14. Four times 7 down
15. 1 across plus 9 down
16. 20 across plus 24 down
17. Nine times 5 down
19. 12 across times 2 down
20. Half of 15 across
21. Twice 4 across
23. 7 down squared
26. 21 across minus 20 down
27. A square

## DOWN

2. Three times 10 across
3. Mean of 20 across and 20 down
4. Two thirds of 20 down
5. 22 down plus 23 down
7. Six times 20 across
8. Three times 24 down
9. 20 down plus 22 down
11. 8 down squared
12. 8 down times 16 across
18. 19 across plus 7 down
19. 13 across plus 20 down
20. 25 down minus 12 across
22. Twice 10 across
23. 3 down plus 22 down
24. 10 across plus 20 across
25. A square

Scratch Area

# CROSS FIGURE #7



## ACROSS

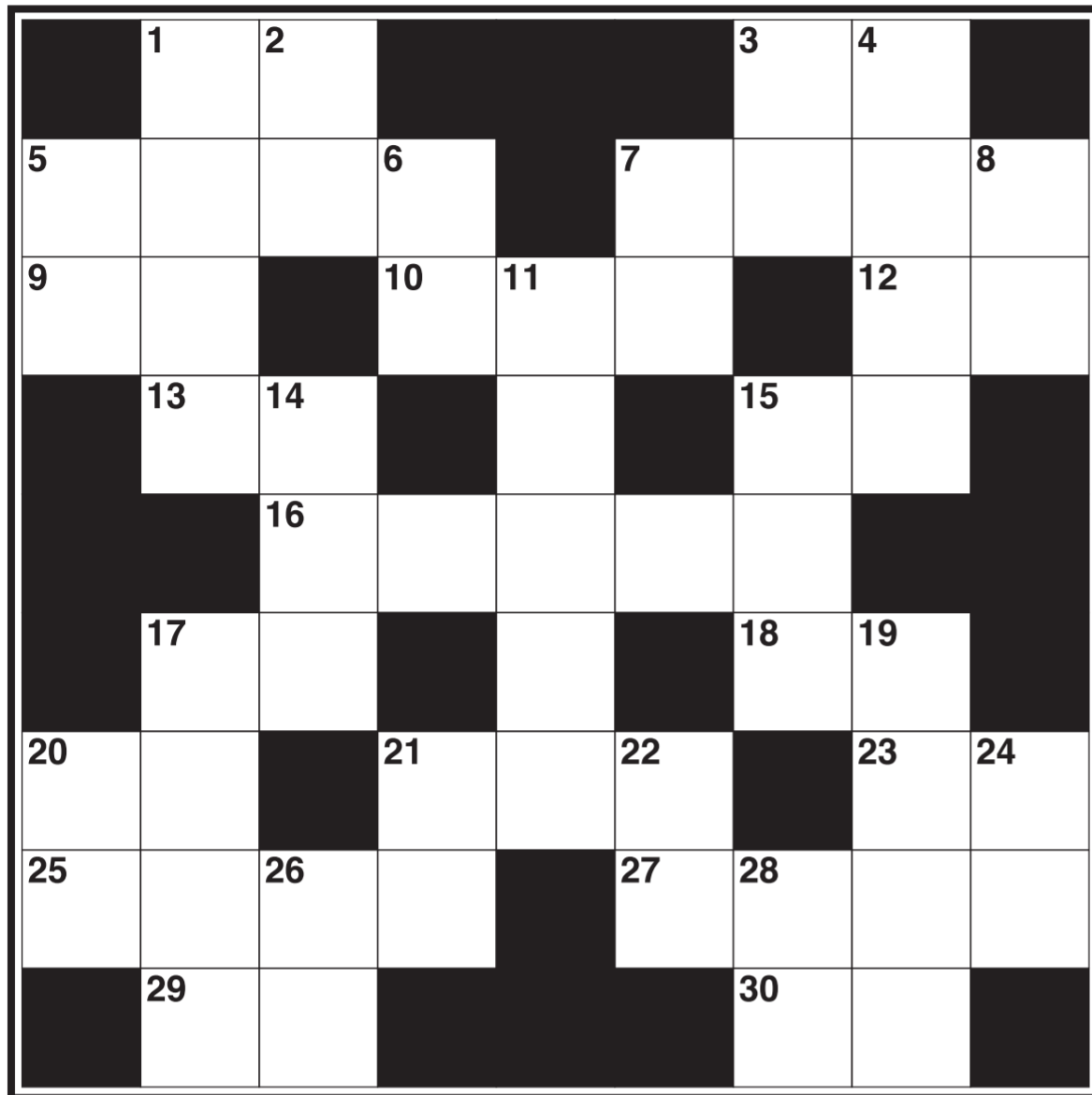
1. 10 across squared
4. 5 across plus one
5. 11 down minus 21 across
7. A square
8. 4 down plus two
10. Nine times 18 across
12. 19 across squared
13. 7 across squared
14. Three times 21 down
16. Twice 18 down
18. See 10 across
19. See 12 across
21. 3 down plus 4 down
22. 14 across squared

## DOWN

1. A square
2. 6 down squared
3. See 21 across
4. See 20 down
6. Three quarters of 16 across
7. 10 down squared
9. 11 down squared
10. Four times 5 across
11. 21 down plus 16 across
15. 4 down squared
17. 5 across plus 6 down
18. 5 across minus 18 across
20. 4 down reversed
21. 1 down plus 3 down

Scratch Area

# CROSS FIGURE #8



## ACROSS

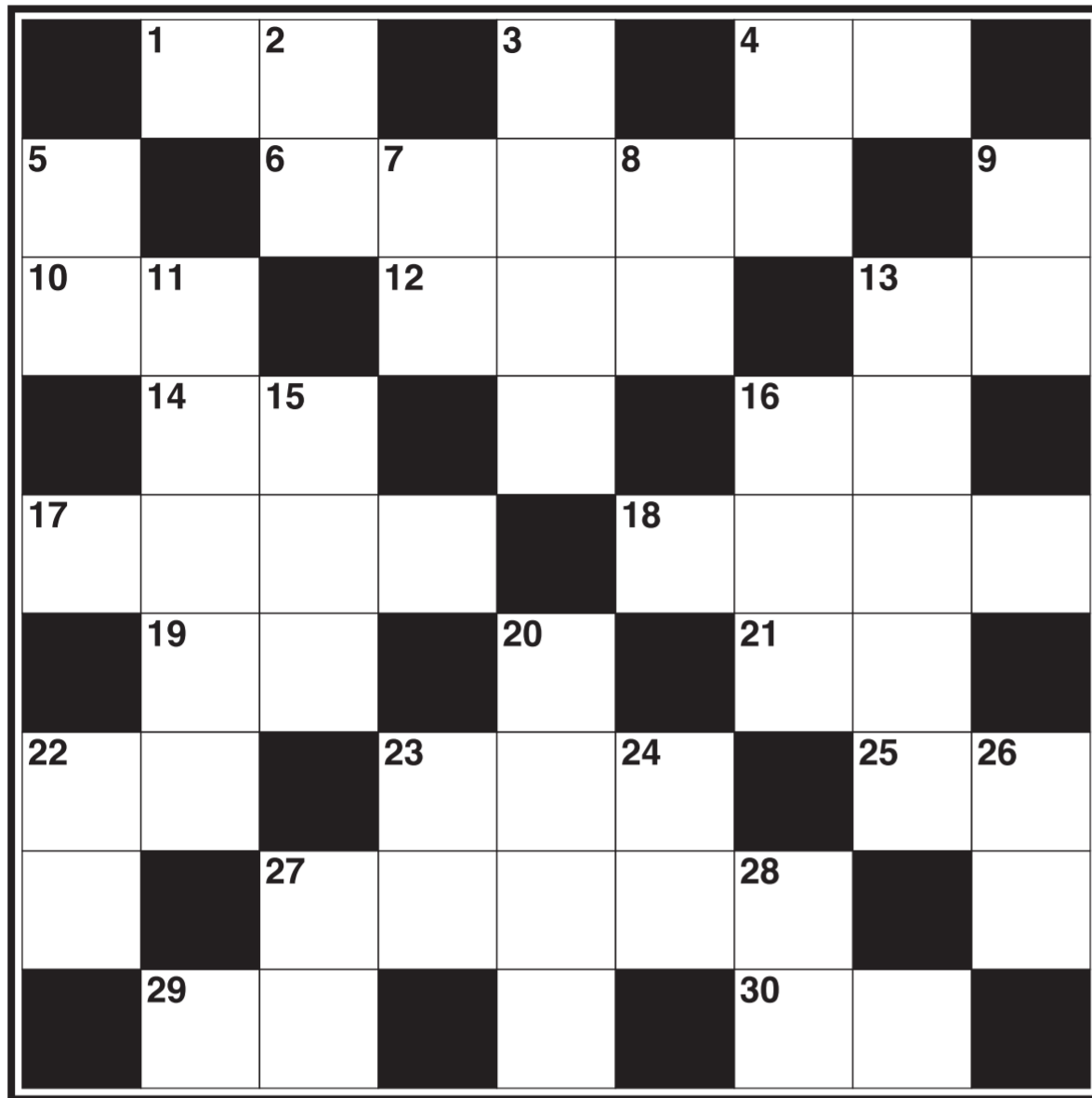
1. 29 across minus 23 across
3. Three times 17 across
5. 4 down plus 17 down
7. Its digits total 17 across plus one
9. Three times 13 across
10. 28 down plus 2 down
12. 28 down minus 2 down
13. 7 down minus one
15. Twice 23 across
16. 10 across squared
17. See 3 across
18. 7 down minus two
20. 29 across plus 23 across
21. 10 across plus 15 across
23. See 20 across
25. See 27 across
27. 25 across minus 17 down
29. Twice 6 down
30. Three times 5 down

## DOWN

1. 4 down plus twice 5 down
2. 15 across minus 6 down
3. 22 down plus 6 down
4. Four times 14 down
5. 3 down minus 23 across
6. Three fifths of 22 down
7. 29 across minus 17 across
8. 13 across plus 17 across
11. 21 across squared
14. See 4 down
15. 10 across plus 14 down
17. Twice 15 down
19. Sum of digits is fourteen
20. 3 down plus 6 down
21. 29 across minus 18 across
22. 15 across minus 18 across
24. 15 across plus 2 down
26. Twice 8 down
28. 21 across minus 24 down

Scratch Area

# CROSS FIGURE #9



## ACROSS

1. A third of 10 across
4. 22 across plus 14 across
6. 23 across squared
10. A fifth of 16 down
12. 4 across plus 28 down
13. 21 across plus 24 down
14. See 4 across
16. 14 across plus 28 down
17. 22 down times 19 across
18. 27 down times 29 across
19. Three times 24 down
21. 7 down plus 14 across
22. 9 down plus 24 down
23. Three times 4 across
25. 13 across minus 14 across
27. 12 across squared
29. 13 across plus 5 down
30. Four times 14 across

## DOWN

2. 4 across minus 27 down
3. Nine times 23 across
4. 29 across plus 24 down
5. 10 across minus 19 across
7. 14 across plus 26 down
8. 15 down minus 16 across
9. Two thirds of 12 across
11. 15 down squared
13. 16 down squared
15. Twice 25 across
16. See 10 across
20. 30 across squared
22. 2 down plus 14 across
23. Twice 14 across
24. See 4 down
26. 14 across plus 27 down
27. See 2 down
28. See 16 across

Scratch Area

# ANSWERS 1 TO 9

#1

	1	2	3		4	4	1	
3		1	1		8	4		1
9	2		1	8	9		1	4
5	4	3		6		1	0	6
		1	5	1	2	9		
2	5	2		8		6	9	4
5	0		1	4	4		1	2
3		6	3		4	8		5
	7	4	2		4	5	6	

#2

1	5	2				1	4	5
6	6	4	2		1	2	2	1
8	2		3	6	9		6	7
	8	4		1		3	3	
		1	5	9	6	0		
	2	0		9		3	4	
1	8		1	2	3		3	5
6	7	2	4		7	6	0	0
8	0	9				4	5	6

#3

	4	4				1	1	
2	1	7	7		2	8	3	8
6	1		8	2	3		5	6
	5	3		4		2	2	
		1	2	3	4	5		
	1	1		3		8	3	
3	4		1	6	9		2	1
4	3	5	4		4	2	9	3
	1	7				7	0	

#4

		3	7		6	1		
		5	8	5	6	4		
1	2	5		2		4	2	3
1	0		2	4	2		8	6
	7	1	0		8	6	4	
1	3		4	3	2		5	6
4	6	8		4		5	8	5
		1	5	6	2	5		
		4	7		2	9		

#5

	3	7				3	5	
3		8	6		4	2		5
1	1		2	2	4		1	3
	5	2	5		3	4	1	
1	6	2			1	0	5	
	2	2	1		5	6	2	
8	5		2	1	0		5	4
1		2	5		5	1		4
	6	4				7	4	

#6

	1	3		4		3	1	
9		6	2	3	1	0		6
1	2		4		5		1	9
	5	7	6		9	8	4	
8	2						9	4
	8	1	9		6	8	4	
4	1		3		2		6	2
5		6	0	5	1	6		4
	1	7		3		4	9	

#7

		6	8	1	2	1		
	5	4		2		5	3	
4	9			9			6	1
4			2	6	1			6
9	8	0	1		2	4	0	1
4			2	3	7			2
4	8			4			2	9
	9	9		8		7	4	
		5	6	1	6	9		

#8

	1	3				5	1	
2	7	7	2		2	6	6	4
7	2		1	3	5		6	1
	2	4		7		5	8	
		1	8	2	2	5		
	1	7		4		2	3	
7	1		1	9	3		2	9
7	0	8	9		5	9	8	5
	4	2				8	1	

#9

	1	7		2		9	7	
1		8	4	6	8	1		7
5	1		1	1	1		6	4
	1	1		9		2	5	
3	2	0	4		1	5	0	1
	3	6		1		5	2	
8	6		2	9	1		5	3
9		1	2	3	2	1		0
	7	9		6		4	4	





1

	8	19				
3			16		16	17
24				13		
	27			17		
17	4					12
8			13			
				4		

2

					31	4
	5	19		4		
10			20			
28			13			17
	22					
	7					
6				17		
13						

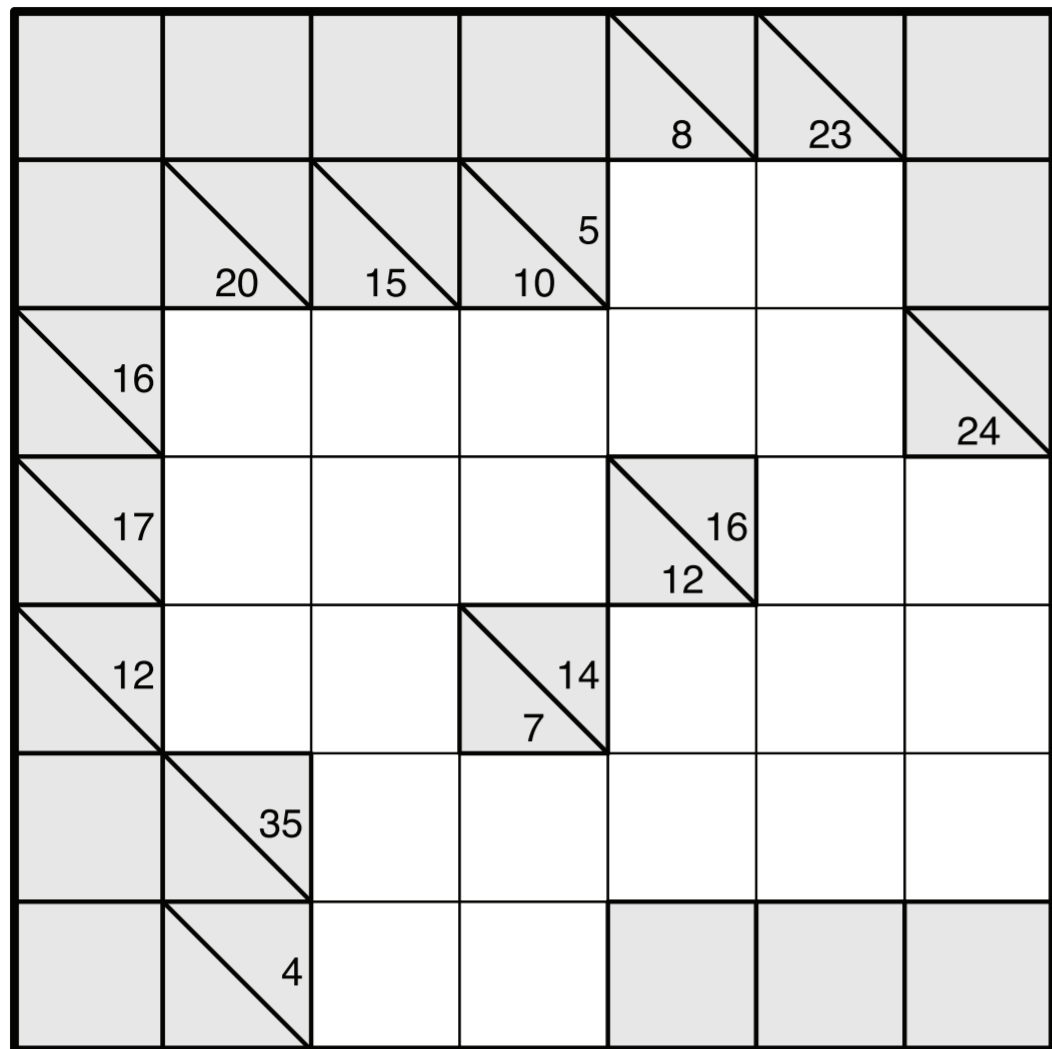
3

		23	3	8		
	13				29	17
	31					
3				8		
12				17	16	
27						
		21				

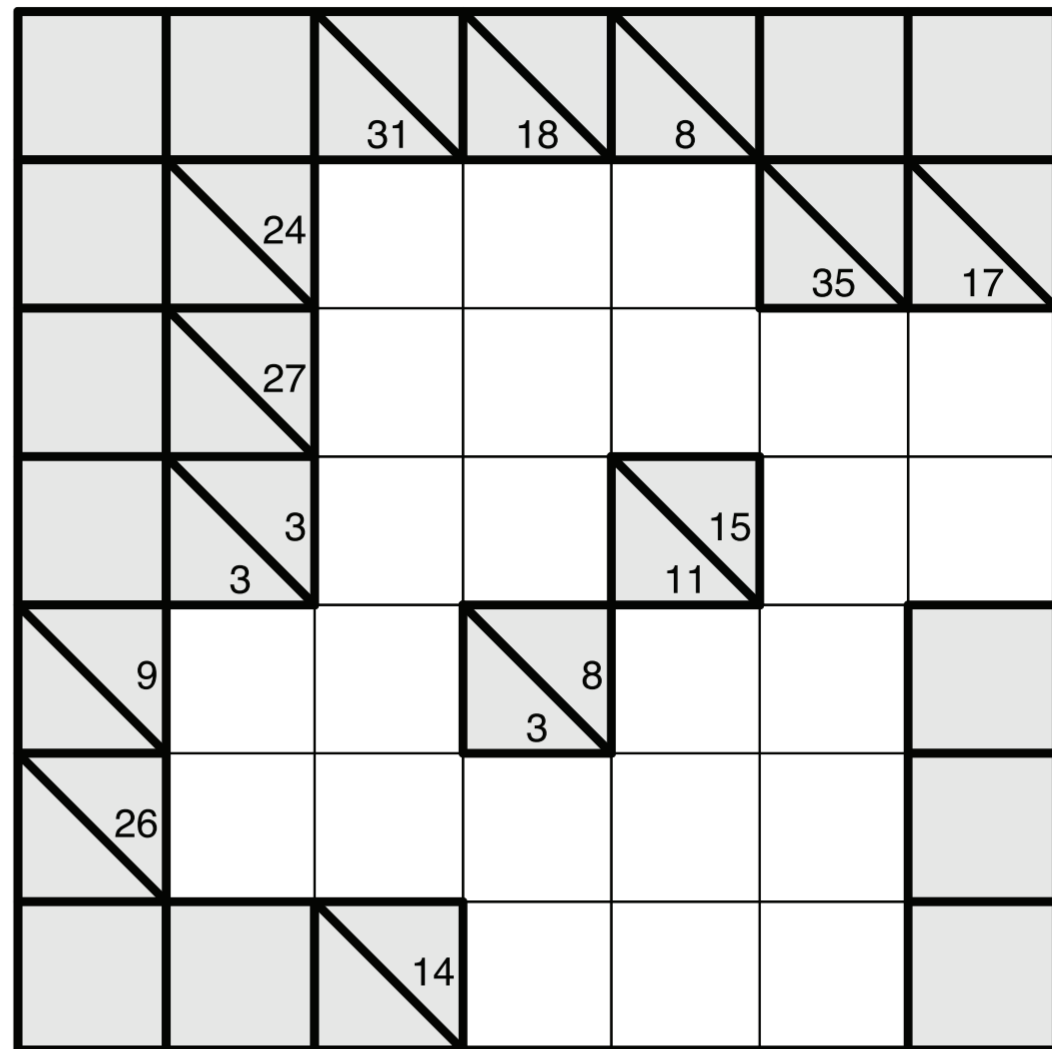
4

			16	6	16	
	4	13	24			
19						
4			3			17
	12		7	13		
	18			4		
	12					

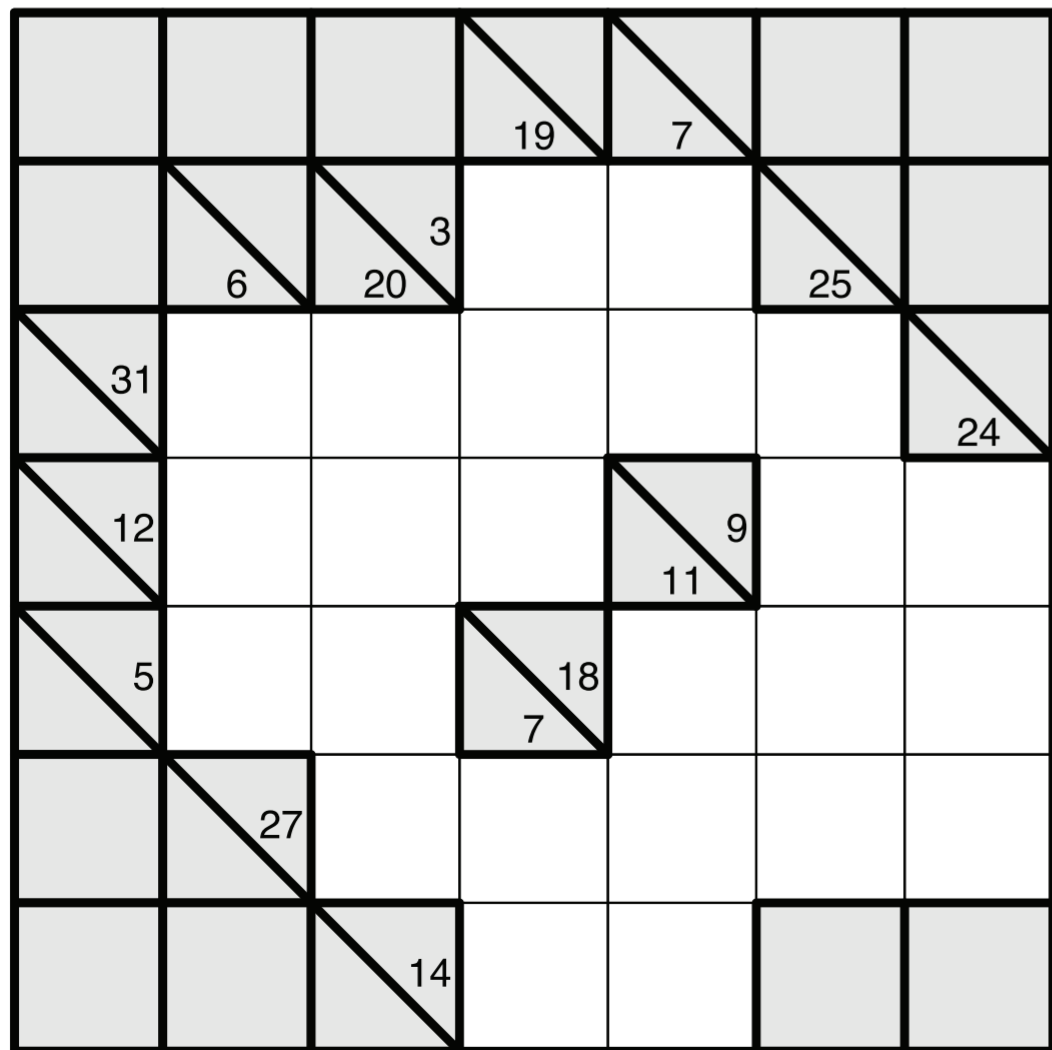
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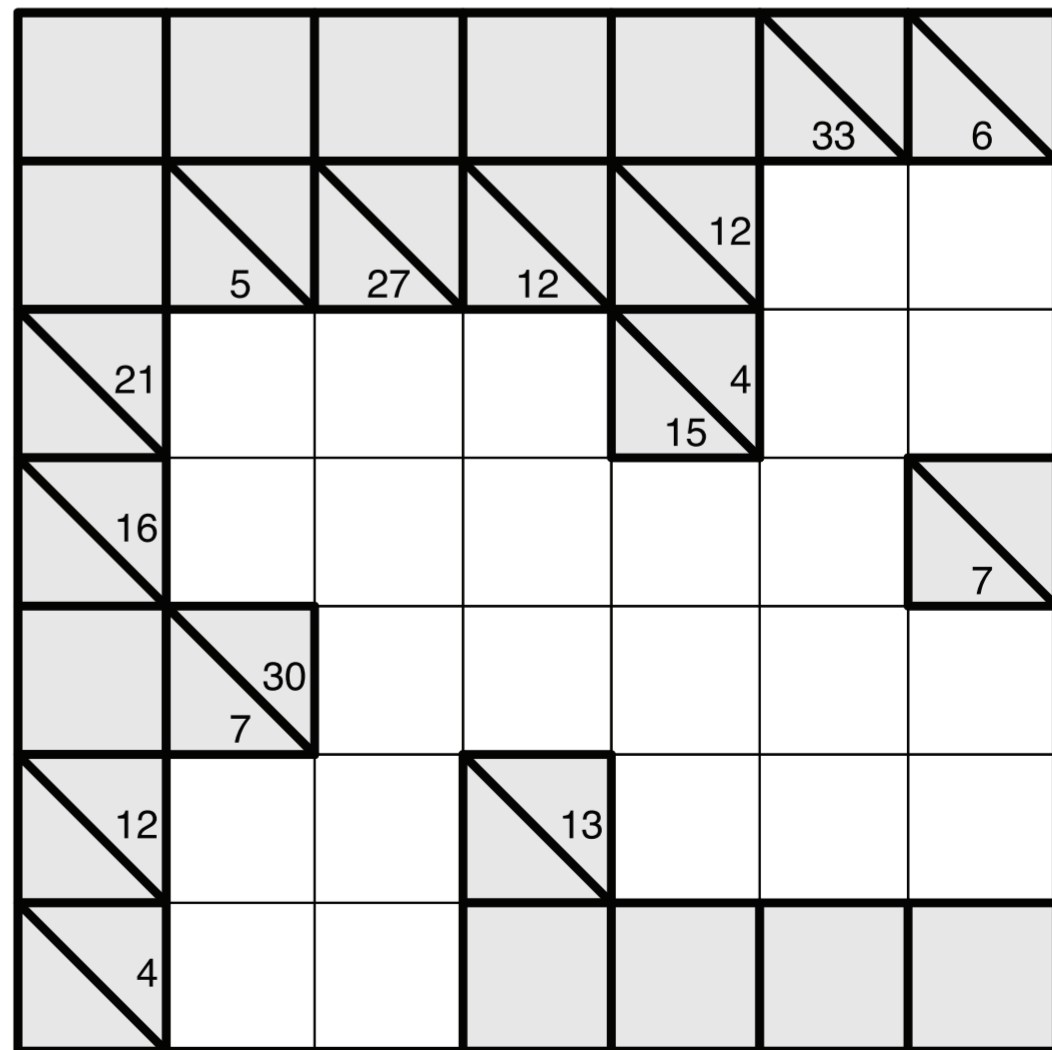
6



7



8



# ANSWERS

#1

	8	19				
3	1	2	16		16	17
24	7	8	9	13	4	9
	27	1	3	9	6	8
	4					
17	1	3	4	7	2	12
8	3	5	13	1	3	9
				4	1	3

#2

					31	4
	5	19		24	4	3
10	4	6	20	8	9	3
			13			
28	1	3	8	9	7	17
	22	1	2	7	4	8
	7					
6	1	2	3	17	8	9
13	6	7				

#3

		23	3	8		
	13	9	1	3	29	17
	31	8	2	5	9	7
	19					
3	2	1		8	7	1
12	9	3	17	16	8	9
27	8	2	9	7	1	
		21	8	9	4	

#4

			16	6	16	
	4	13	9	1	3	
	24					
19	1	2	7	3	6	
4	3	1	3	2	1	17
			7			
	12	8	4	13	4	9
			4			
	18	4	1	3	2	8
	12	9	2	1		

#5

				8	23	
	20	15	10	5	2	3
16	3	1	4	6	2	24
17	9	2	6	16	9	7
			12			
12	8	4	14	5	1	8
			7			
	35	5	6	7	8	9
	4	3	1			

#6

		31	18	8		
	24	8	9	7	35	17
	27	6	7	1	5	8
	3	1	2	15	6	9
				11		
9	2	7	8	1	7	
			3			
26	1	9	2	6	8	
		14	1	4	9	

#7

				19	7	
	6	20	3	2	1	25
31	1	9	8	6	7	24
12	2	1	9	9	1	8
				11		
5	3	2	18	1	8	9
			7			
	27	8	1	2	9	7
		14	6	8		

#8

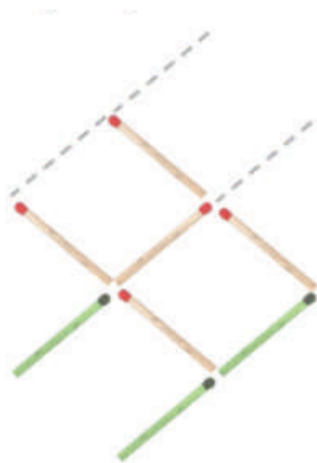
					33	6
	5	27	12		7	5
21	4	9	8	4	3	1
				15		
16	1	2	3	4	6	7
	30	7	1	8	9	5
		7				
12	4	8	13	3	8	2
4	3	1				

# SOLUTIONS

1. Move 2 matchstick so the glass is reformed without the coin inside



2. Can you make the fish swim in the opposite direction by moving only 3 matchsticks?



3. Move 1 matchstick to make a correct equation



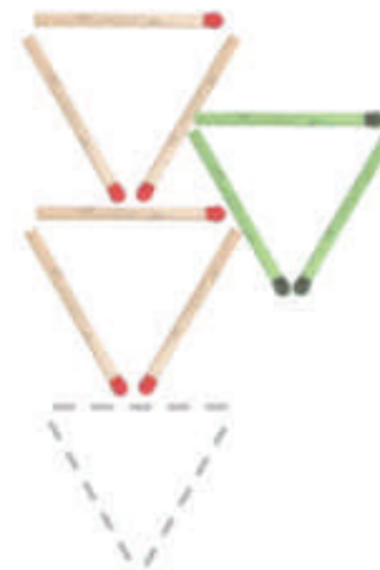
4. Change 3 matchsticks into 6 without breaking any of them



5. Using just 6 matchsticks, make 4 equilateral triangles

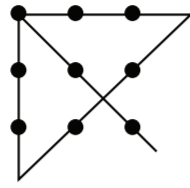


6. Move 3 matchsticks to make 4 equilateral triangles



# ANSWERS PAGE

9 Dot problem



## Brainteasers & riddles

### The club

He should have said three, the number of letters in the number the guard said.

### More than one

1)Pots 2)Tops 3)Stop 4)Spot 5)Post \*Bonus\* Opts

### Missing Price

The three prices add to  $1.50 + 3.00 + 4.00 = R8.50$ .

The three prices multiply to  $1.50 \times 3.00 \times 4.00 = R18.00$ .

You might be able to see that adding another R0.50 will take the total to R9.00, and multiplying by another R0.50 will take the product to R9.00 also, but the answer can also be found using algebra.

Let's call the unknown price P:

$$1.50 + 3.00 + 4.00 + P = 1.50 \times 3.00 \times 4.00 \times P$$

$$8.50 + P = 18.00 \times P$$

$$8.50 = 18.00 \times P - P$$

$$8.50 = 17.00 \times P$$

$$8.50/17.00 = P$$

$$P = 0.50.$$

### Assemble

A lion, king of the jungle! (the head of a Lamb, the middle of a pig, the hind of a buffalo and the tail of a dragon)

### Always old, Sometimes New

The Moon

### Go up, not down

Umbrella

### Gone on Monday and Friday

The letter "S."

### Timepieces

An Hourglass

### New door

"One word"

### Today

Friday.

### Start with an E

An ENVELOPE.

The logo features the words "King Price" in a white, elegant script font with a crown icon above the letter 'K'. Below this, the word "INSURANCE" is written in a white, bold, uppercase sans-serif font. A small "TM" trademark symbol is positioned to the right of "Price".

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