

HALAS league online

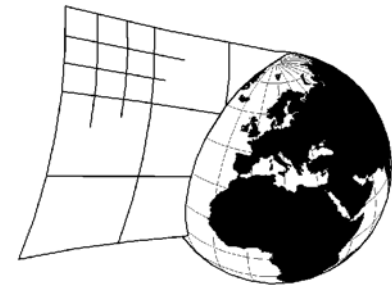
October 26-29, 2012

Solutions



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HALAS league online

October 26-29, 2012

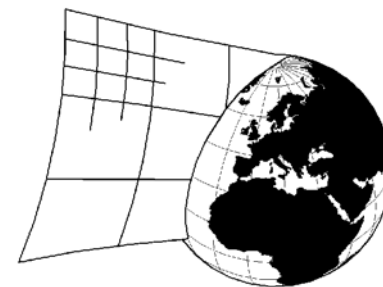
Sudoku: Round 1

Solutions



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1. to 3. Classic sudoku 6x6

6	5	4	2	1	3
1	3	2	6	4	5
4	1	3	5	2	6
2	6	5	4	3	1
3	4	6	1	5	2
5	2	1	3	6	4

6	5	4	3	2	1
1	4	6	2	3	5
2	3	5	1	4	6
5	2	1	4	6	3
3	6	2	5	1	4
4	1	3	6	5	2

1	5	3	2	4	6
2	4	6	3	5	1
4	6	1	5	3	2
3	2	5	6	1	4
5	1	2	4	6	3
6	3	4	1	2	5

4. and 5. Classic sudoku 9x9

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

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

6. and 7. Classic sudoku 9x9

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

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

8. Classic sudoku 8x8

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

9. Extraregion

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

10. Odd sudoku

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

11. Even sudoku

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

12. Nonconsecutive sudoku

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

13. Untouchable sudoku

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

14. Disjoint groups

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

15. Symmetric unequal

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

16. Antiknight

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

17. Queens

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

18. Quadro

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

19. Touchy

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

20. DuoDoku

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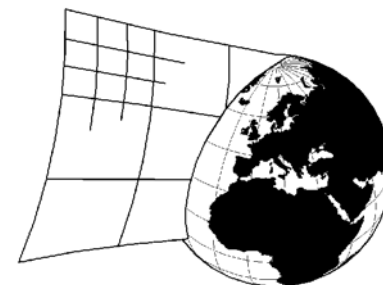
Sudoku: Round 2

Solutions



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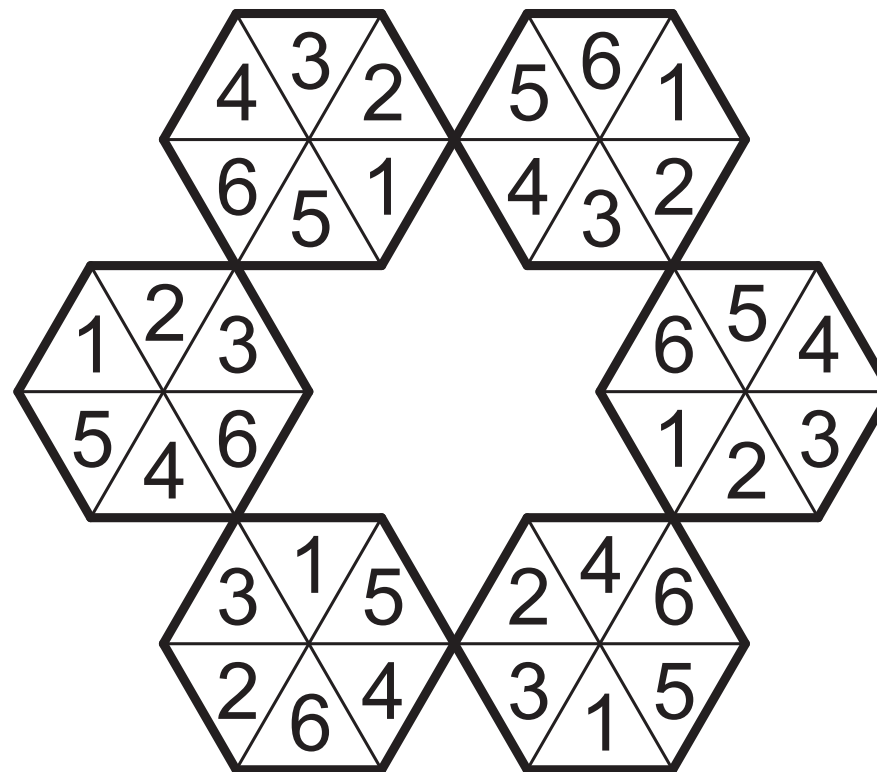
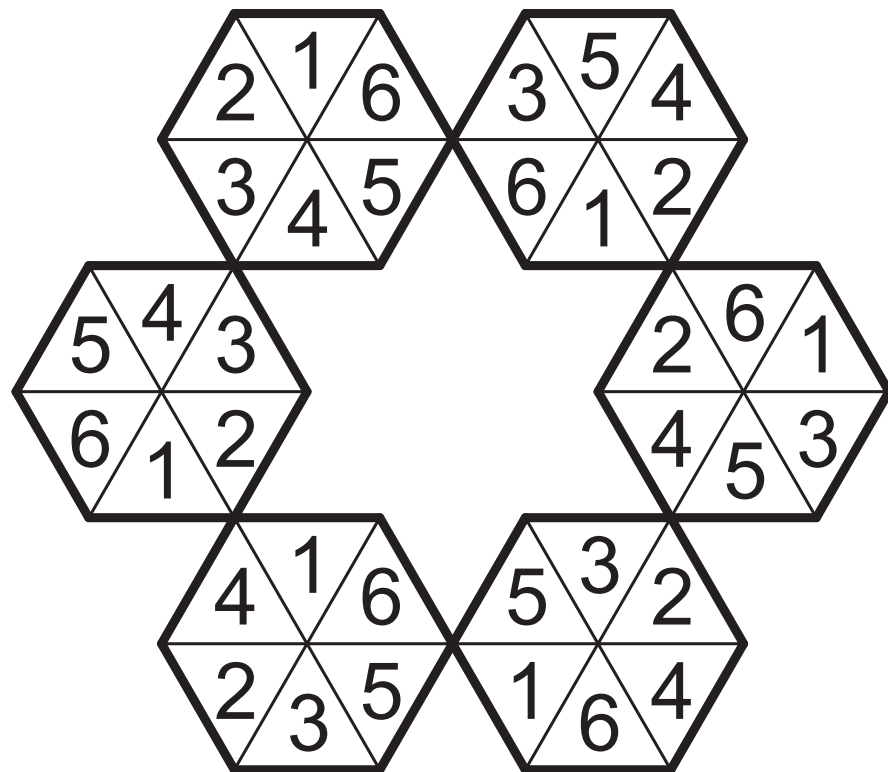
1. Irregular sudoku 7x7

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

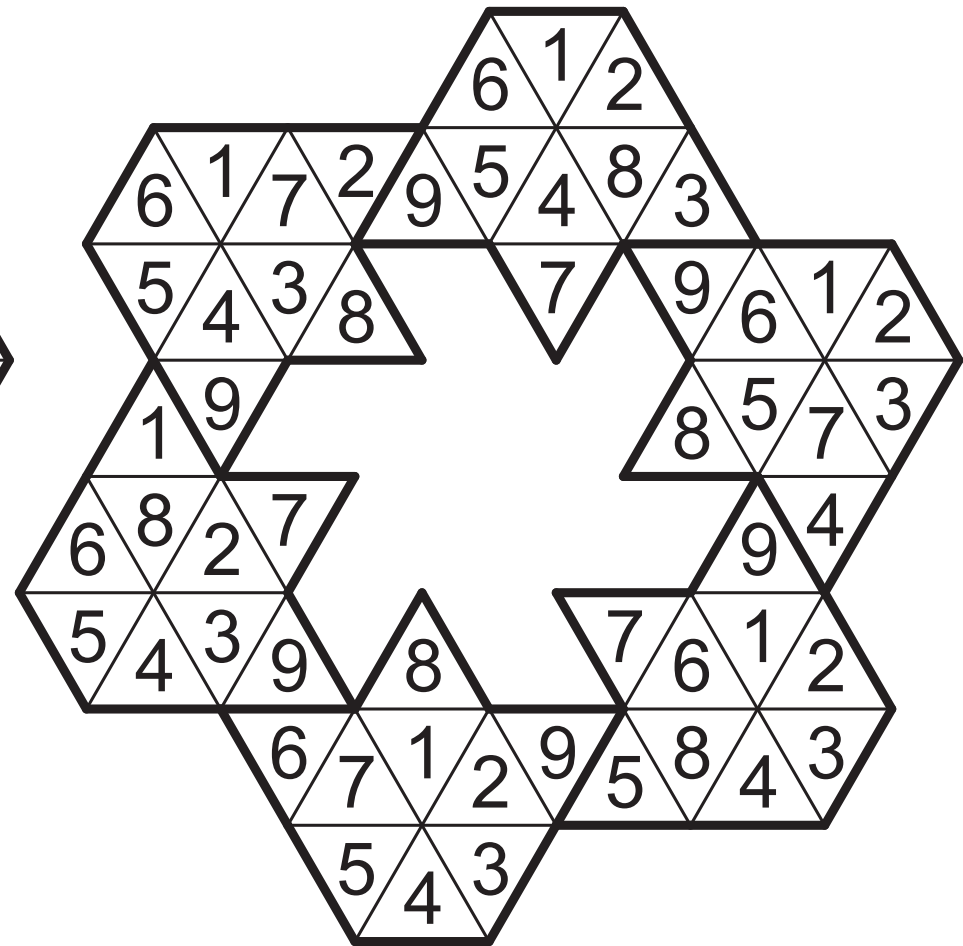
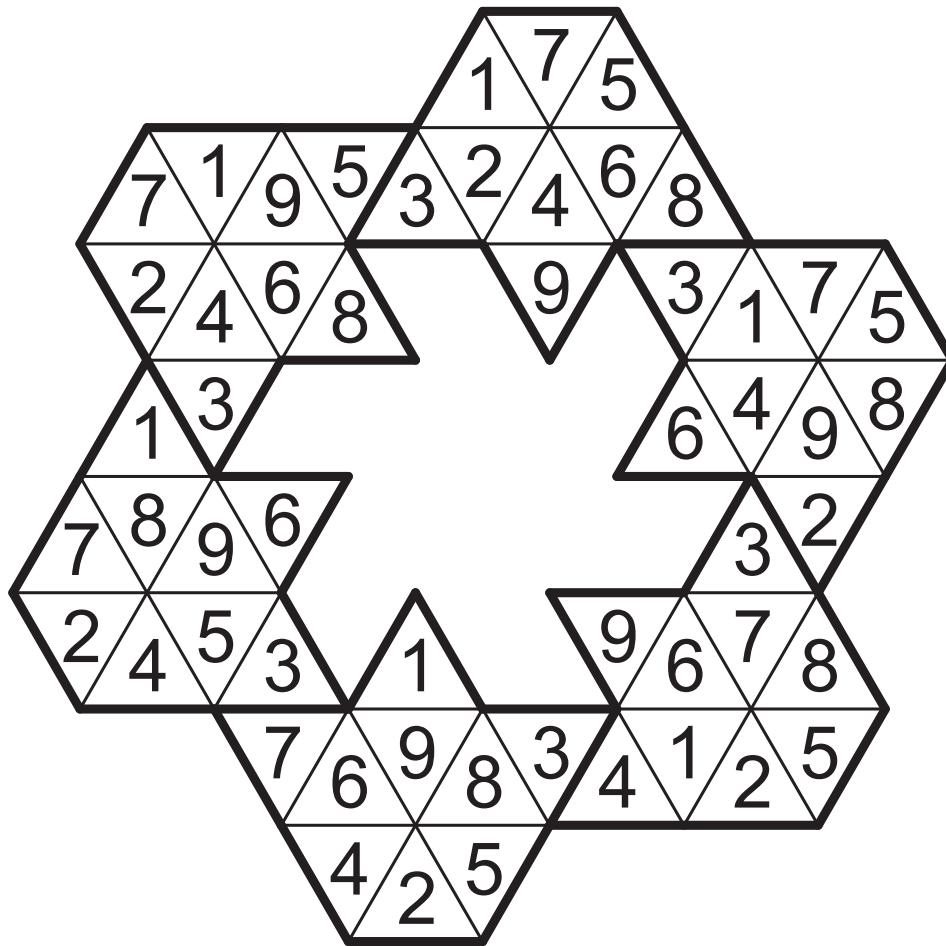
2. Irregular sudoku 8x8

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

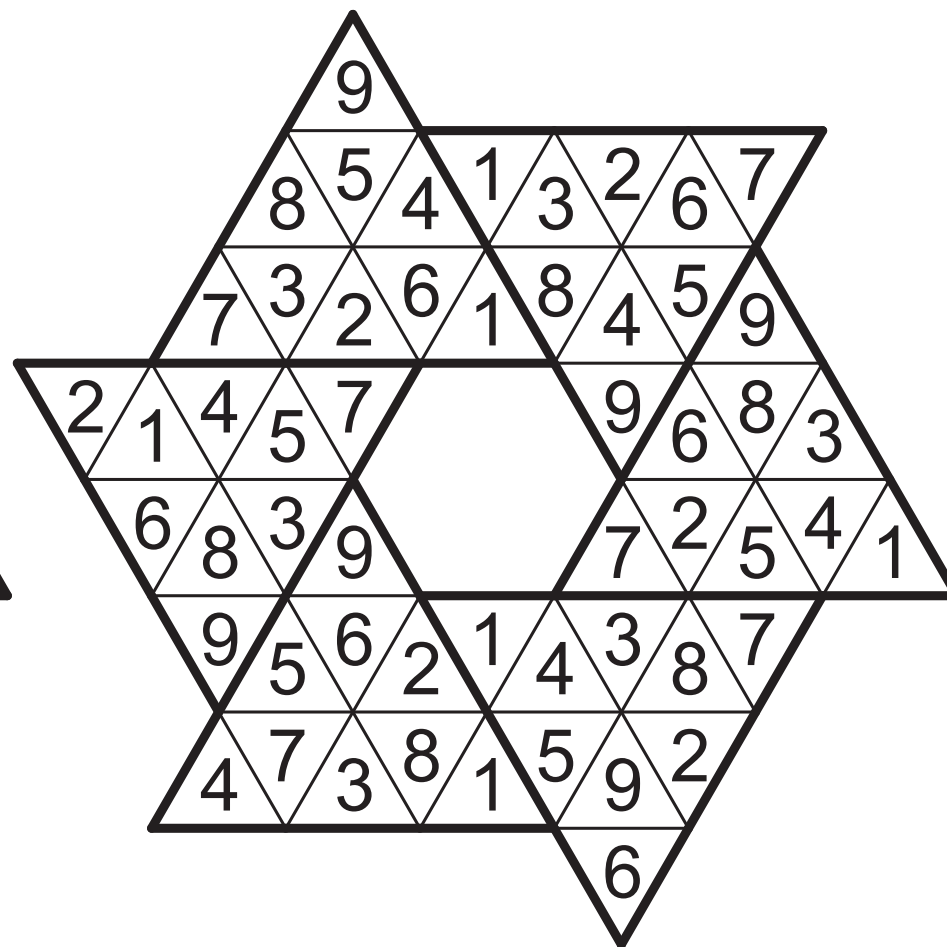
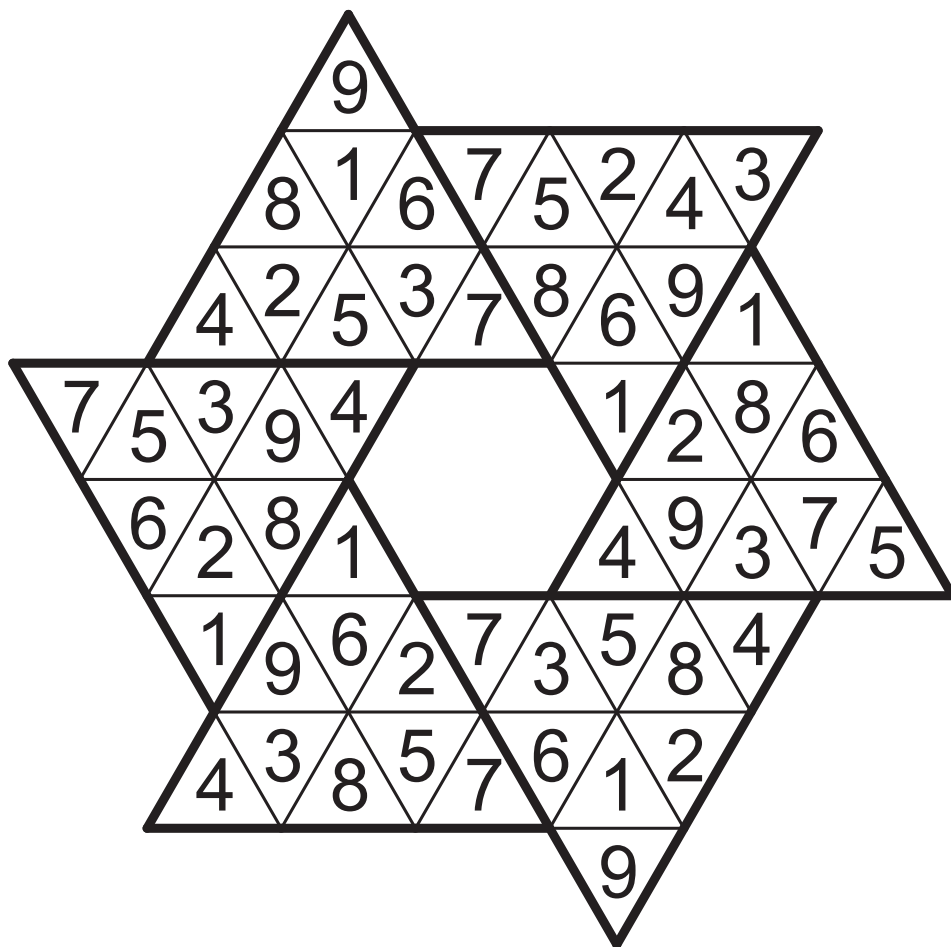
3. and 4. Snowflake



5. and 6. Triangles



7. and 8. Star



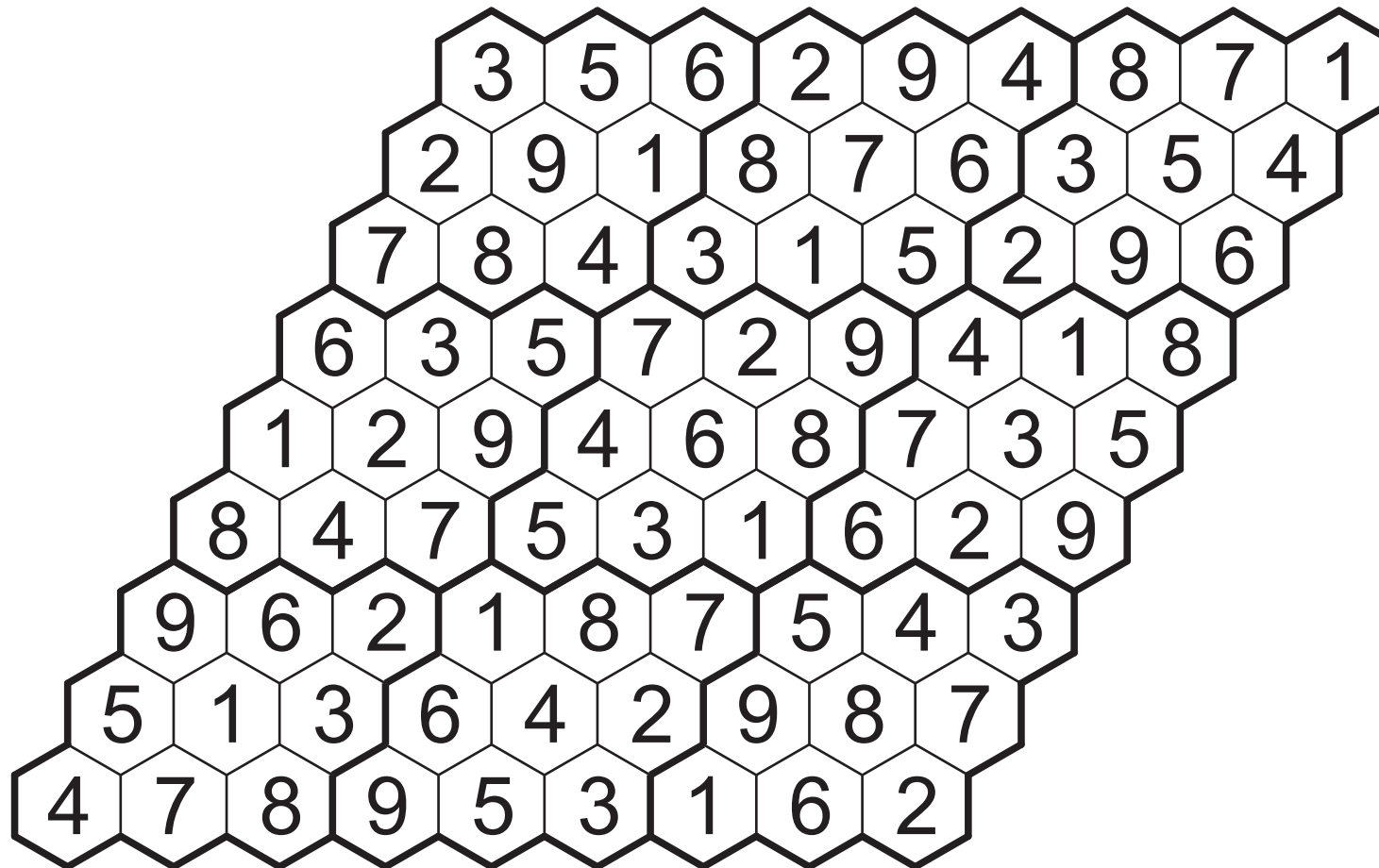
9. Dance Floor

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

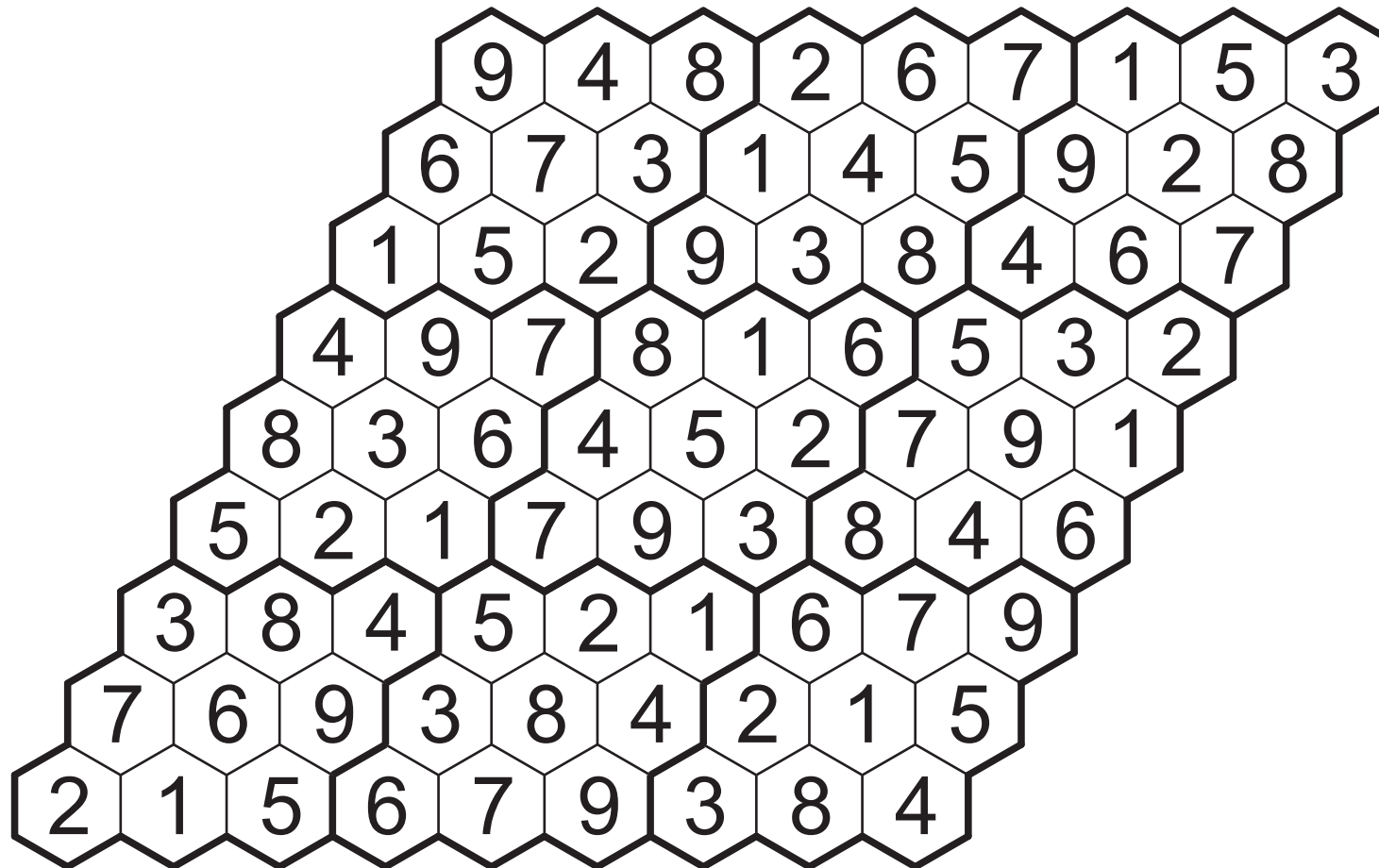
10. Sudoku Parket

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

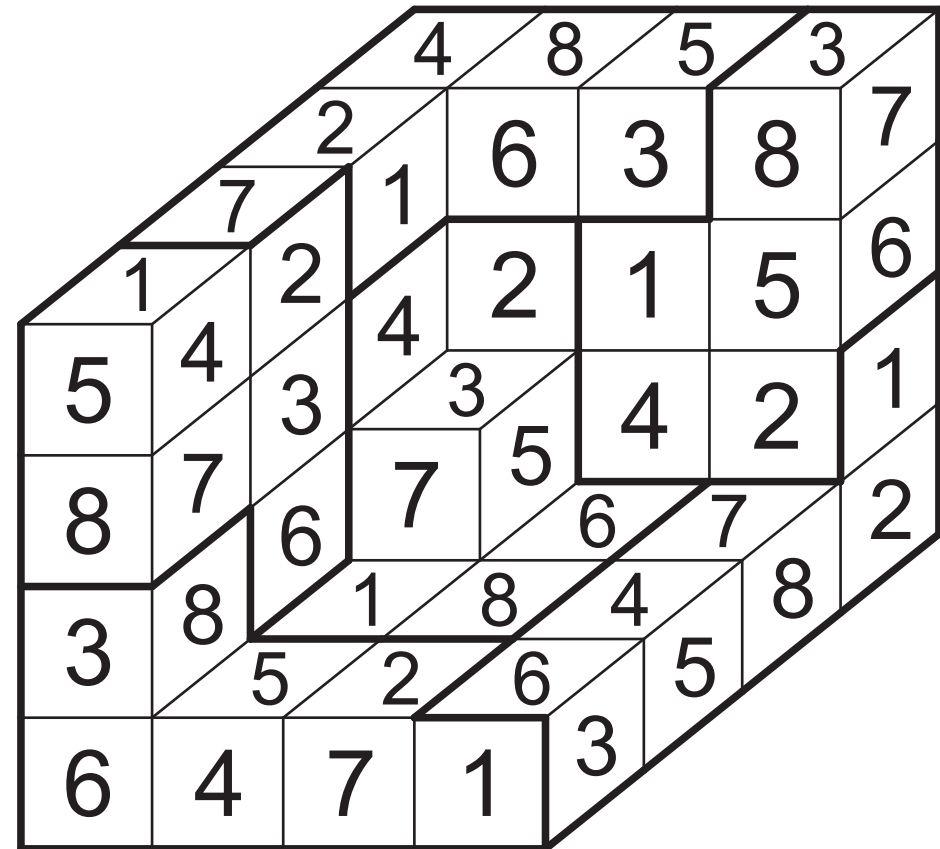
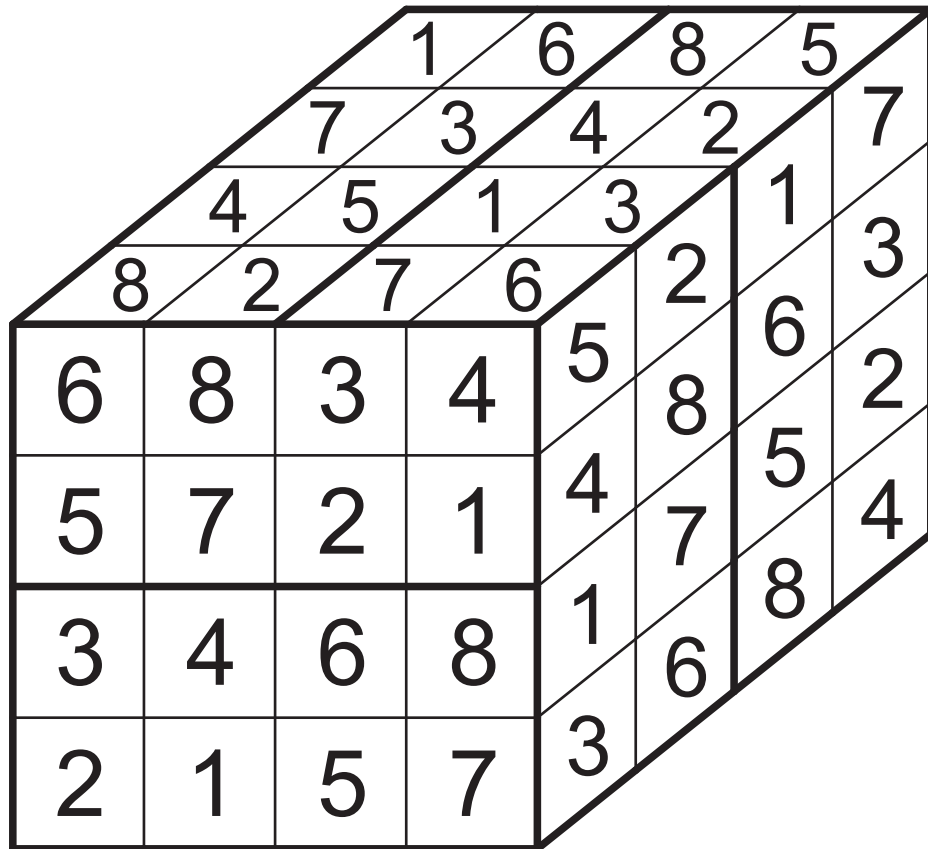
11. Isosudoku



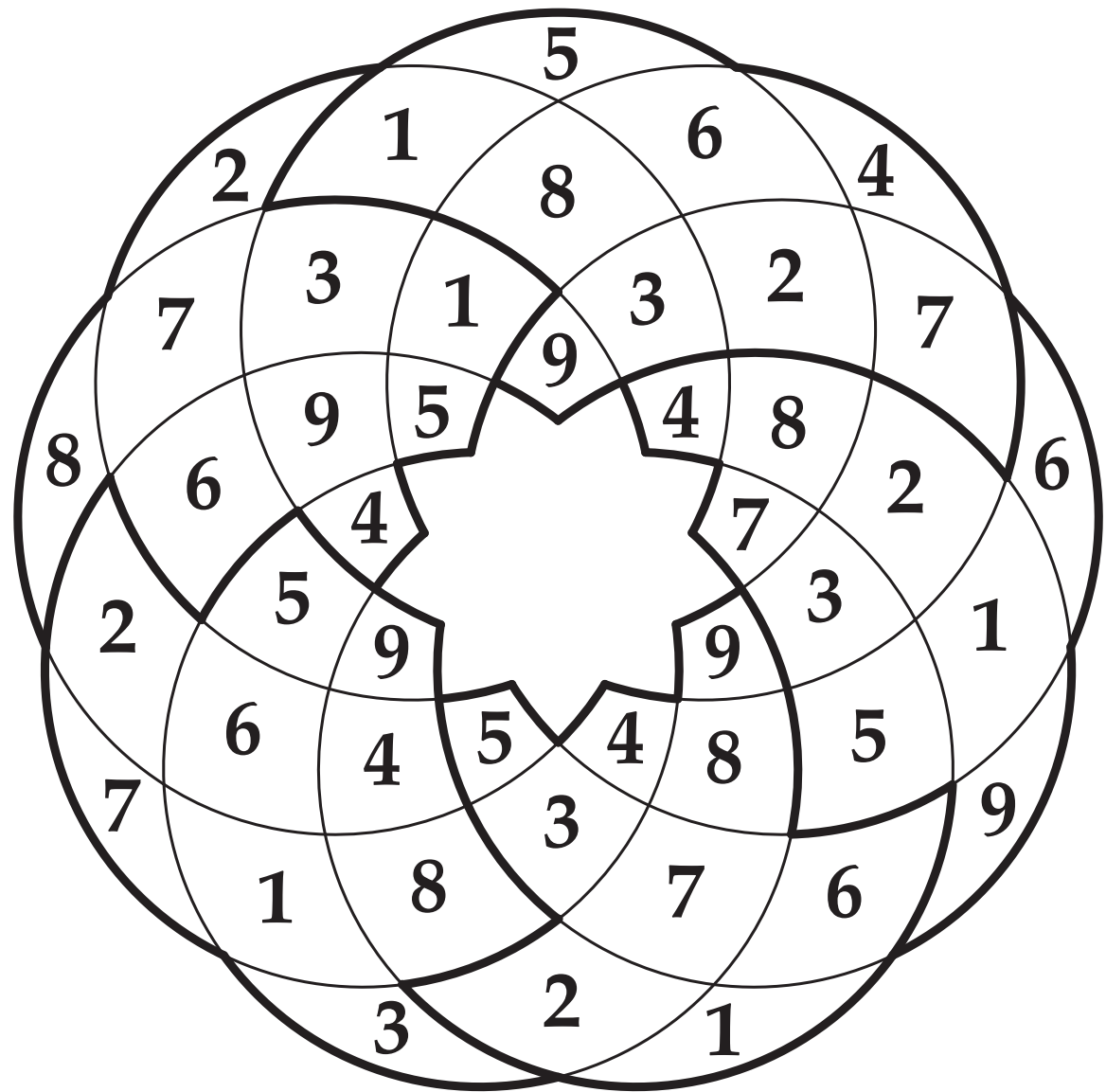
12. Isosudoku



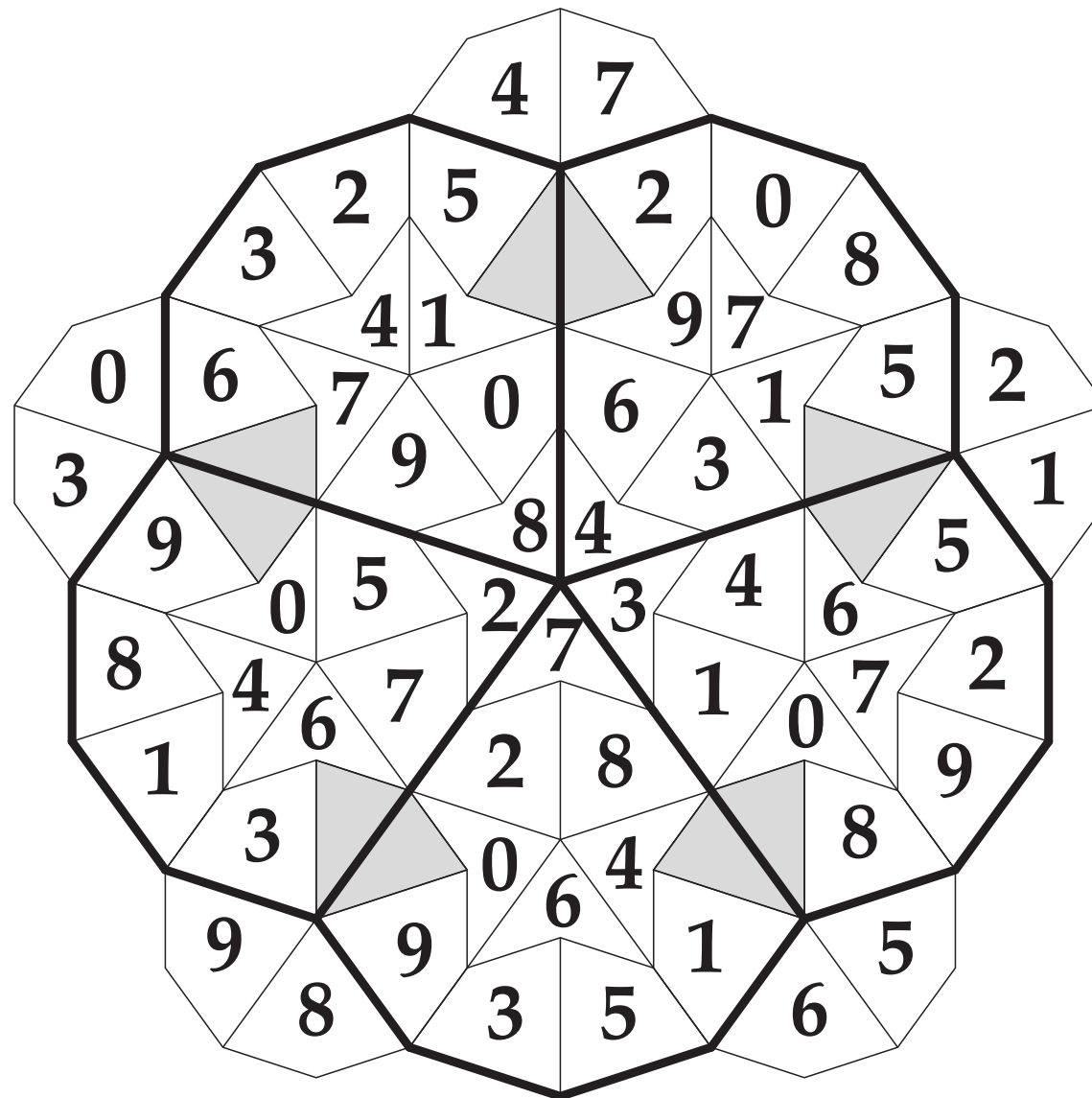
13. a 14. 3D sudoku



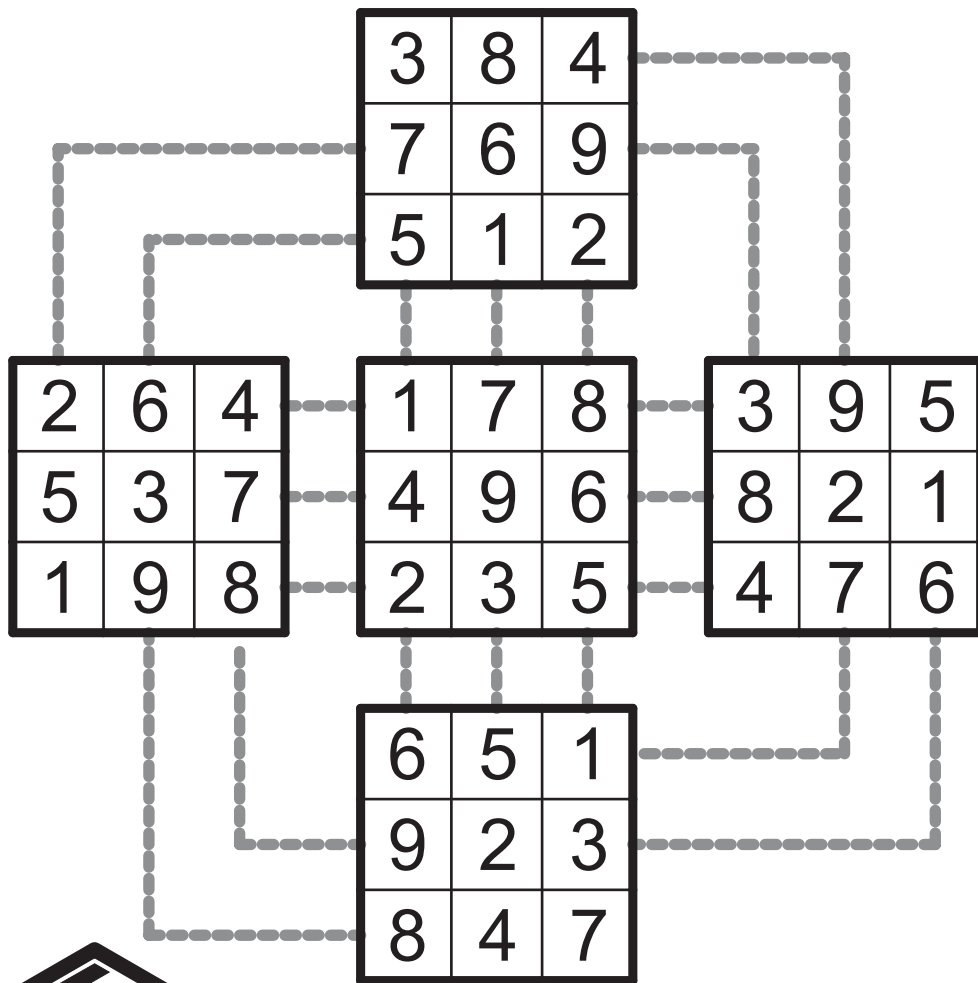
15. Primrose



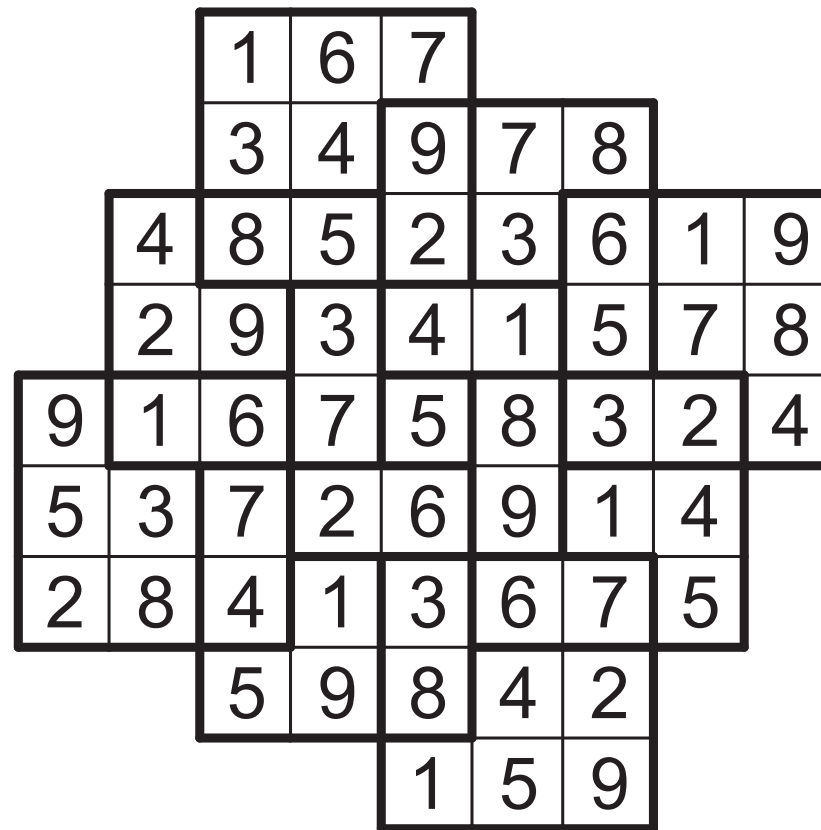
16. Penrose



17. SudoCurve



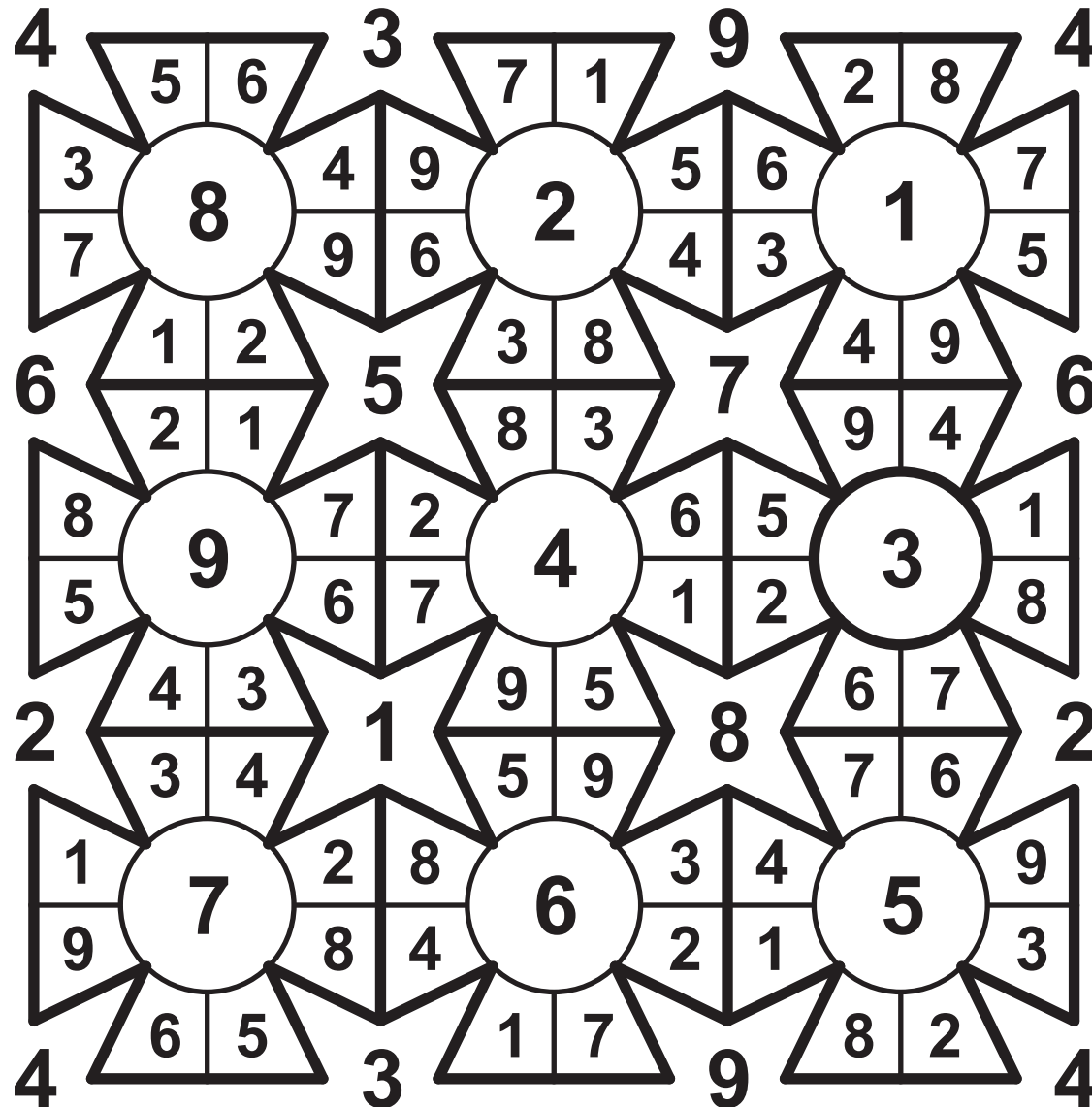
18. Square Madness



19. Shifted sudoku

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

20. SudokuBall



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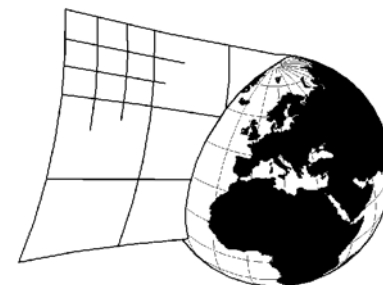
Puzzles: Round 1

Solutions



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1. Sudokuro

			3	14	20	21	10	10		36
		36 29	2	3	4	8	5	6	1	7
	33 36	6	1	7	8	5	2	4	35	3
12	7	5	14 22	4	1	6	3	10 17	2	8
17	5	8	4	9 14	7	2	10 11	3	6	1
18	1	3	6	8		18	4	5	7	2
21	8	2	5	6	16	15	7	1	3	4
10	2	1	7	9 8	6	3	17 15	8	4	5
7	3	4	15 11	2	5	7	1	14 9	8	6
	6	30	3	1	2	4	8	7	5	
36	4	7	8	5	3	1	6	2		

2. Sudokuro

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

3. Sudokuro

		20	18	18	15		13	23		12	
	45	6	1	8	9	5	4	2	7	3	45
17	5	3	2	1	6	11	7	4	17	9	8
21	1	4	7	9	19	3	2	8	6	13	5
14	4	2	8	10	3	7	21	9	5	6	1
14	9	5	17	6	2	1	8	14	3	7	4
	8	34	5	4	7	6	9	1	2	20	3
16	3	7	6	19	4	9	1	5	10	8	2
25	6	8	4	7	5	2	3	15	1	5	9
	7	24	9	2	5	8	14	3	4	1	6
11	2	9	4	3	1	30	5	6	8	4	7
	45	1	3	5	8	4	6	7	9	2	

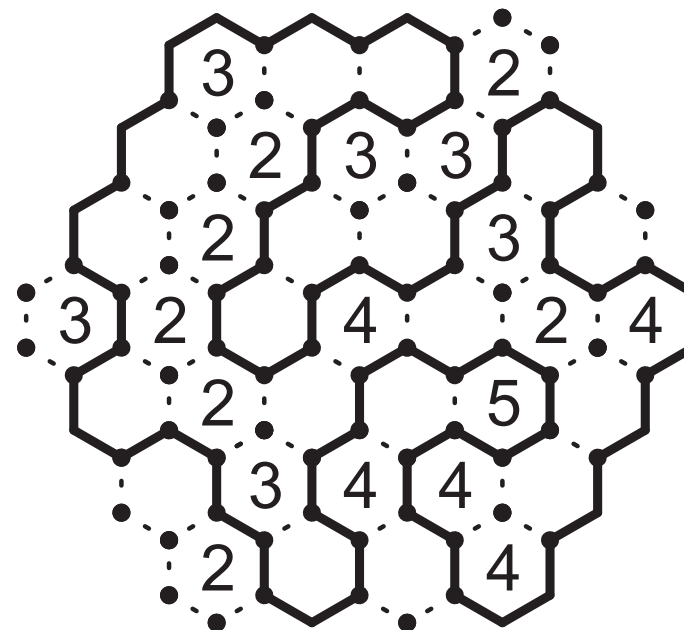
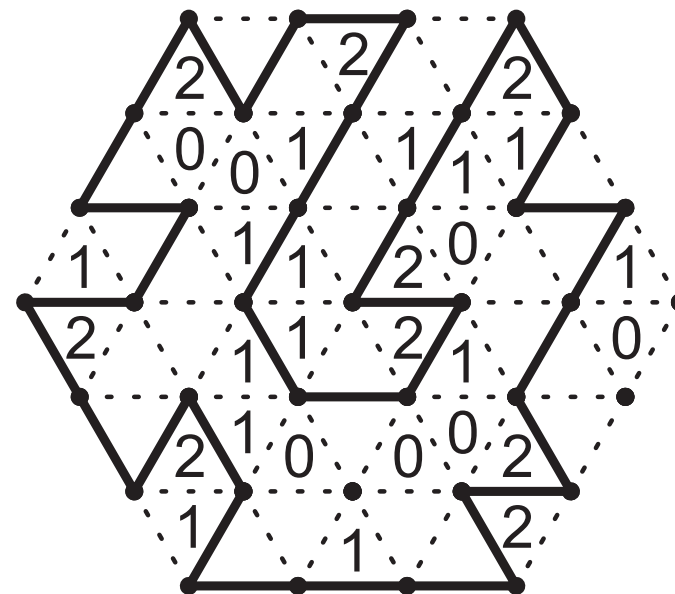
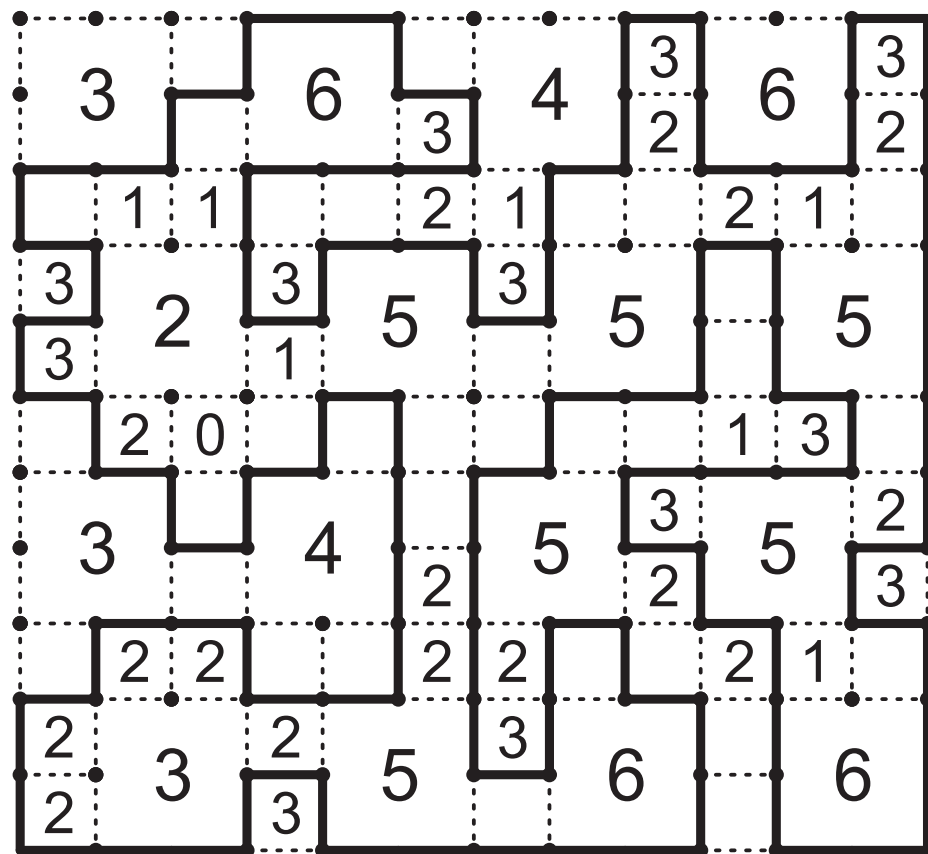
4. to 6. Domino

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

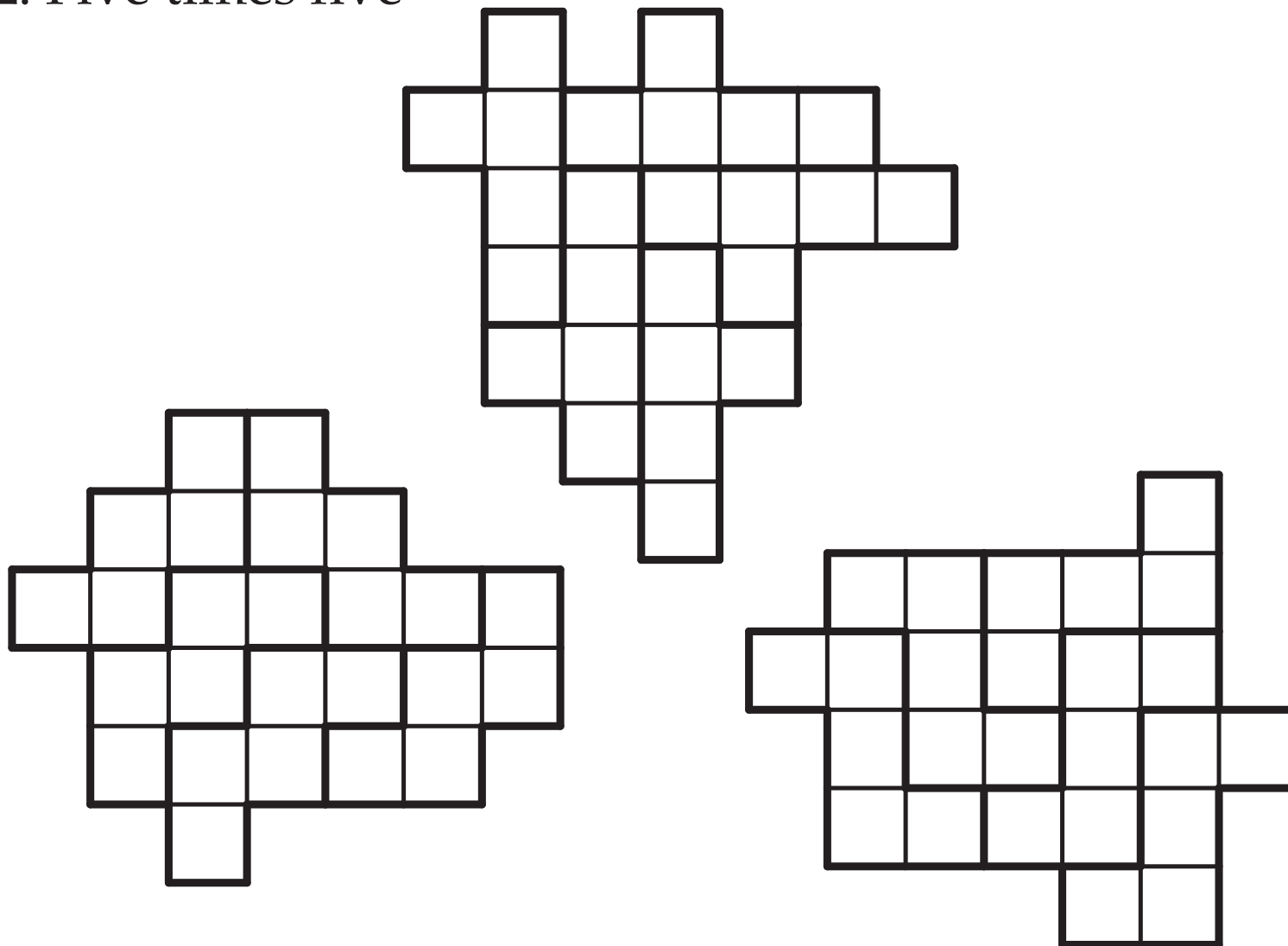
3	3	1	1	6	0	0	0
5	2	1	2	2	2	6	4
5	0	3	2	6	1	3	0
0	5	0	1	4	2	4	0
6	1	5	5	4	1	5	6
4	3	2	2	3	6	6	3
4	3	4	1	4	5	6	5

6	3	3	0	0	2	2	6
4	5	3	1	0	1	5	0
3	5	4	1	0	5	3	4
4	2	6	1	4	1	2	5
6	6	6	2	0	3	3	1
6	2	2	2	5	4	4	3
1	0	6	5	5	0	1	4

7. to 9. Fences



10. to 12. Five times five



13. to 15. Easy as 2nd ABC

	D	A	E	E	C	B	D	
B	C	B		D	E		A	E
B		A	B	E	C		D	C
E	D	E			A	C	B	C
D	A	D	E	C		B		C
B			A	B	D	E	C	E
C	E	C	D		B	A		B
C	B		C	A		D	E	D
	E	D	D	B	D	A	C	

	A	D	D	A	C	A	D	
A	B	A		C	D			C
A		D		A	C	B		C
D		C		D	A		B	A
C	A		C		B		D	B
D		B	D			A	C	A
A	D		A	B		C		B
B	C		B			D	A	D
	D	C	A	D	A	C	C	

	C	A	D	B	A	C	
A	B		A	D	C		D
B	C	B	D			A	D
A	D	A	B			C	B
B			C	B	A	D	A
D	A	D		C	B		C
A		C		A	D	B	D
	D	D	B	C	B	D	



16. to 18. Pyramid

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

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

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

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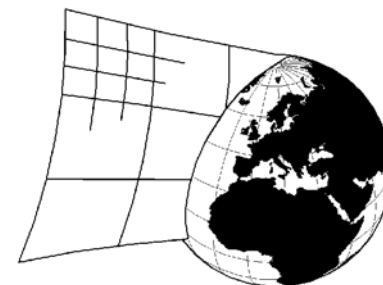
Puzzles: Round 2

Solutions



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1. to 3. Sum between

	2	19	7	7	18	17	4	0	11
3	7	5		3		6	1	4	2
19	4		6	7	2	1	3		5
15	3	2	1		5	4	6		7
9	1	6		5	4		2	7	3
6	5	3	4	2	1	7		6	
9		7	2		6	3	4	5	1
5	2	1	7	4		5		3	6
0			3	6	7	2	5	1	4
9	6	4	5	1	3		7	2	

	14	6	11	6	7	3	7	1
14	2	5		3	4	6	1	
0			3	6	2	5	4	1
12	1	6	2		5	4	3	
6	4		1	2	3		6	5
1	3	2	5	4		1		6
0	6	3			1	2	5	4
16		1	4	5	6		2	3
3	5	4	6	1		3		2

	13	1	15	2	6	3	0
2		2		3	5	1	4
5	3		1	4		5	2
5	4	1	5		3	2	
10	5		3	2	1	4	
2	1	5	4		2		3
7		4	2	1		3	5
9	2	3		5	4		1



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4. to 6. Skyscrapers

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

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

6	4	1	5	2	3
2	3	6	4	1	5
5	1	2	3	4	6
1	5	3	2	6	4
4	6	5	1	3	2
3	2	4	6	5	1

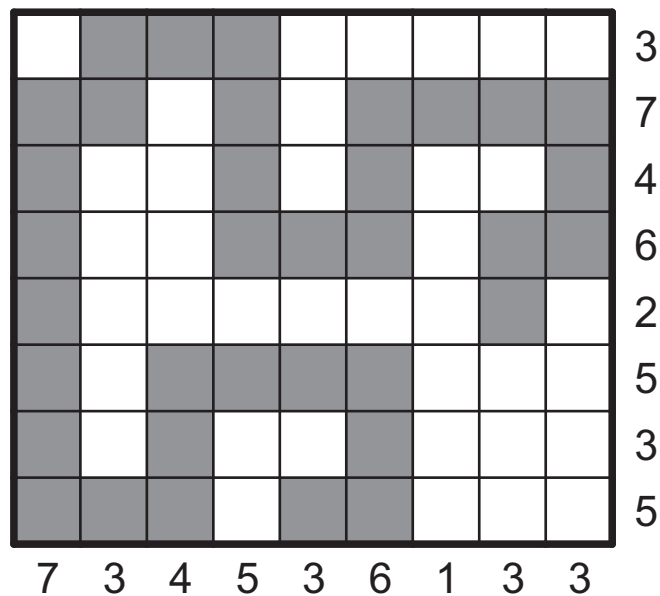
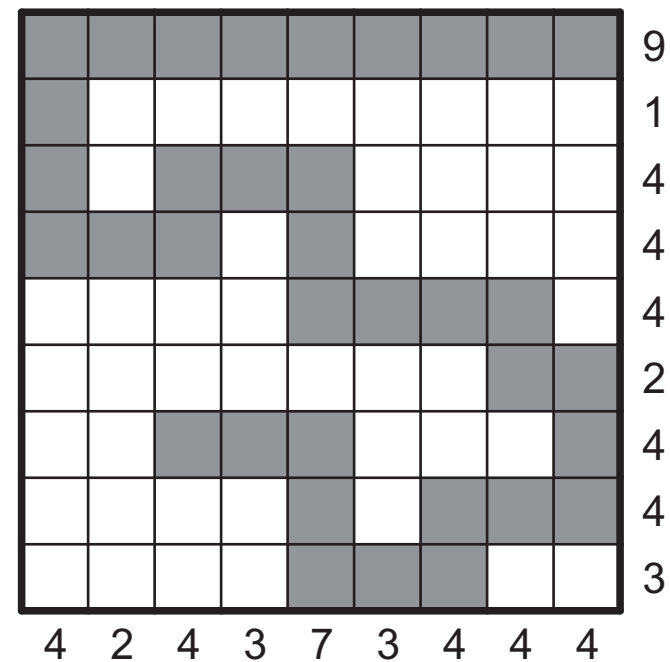
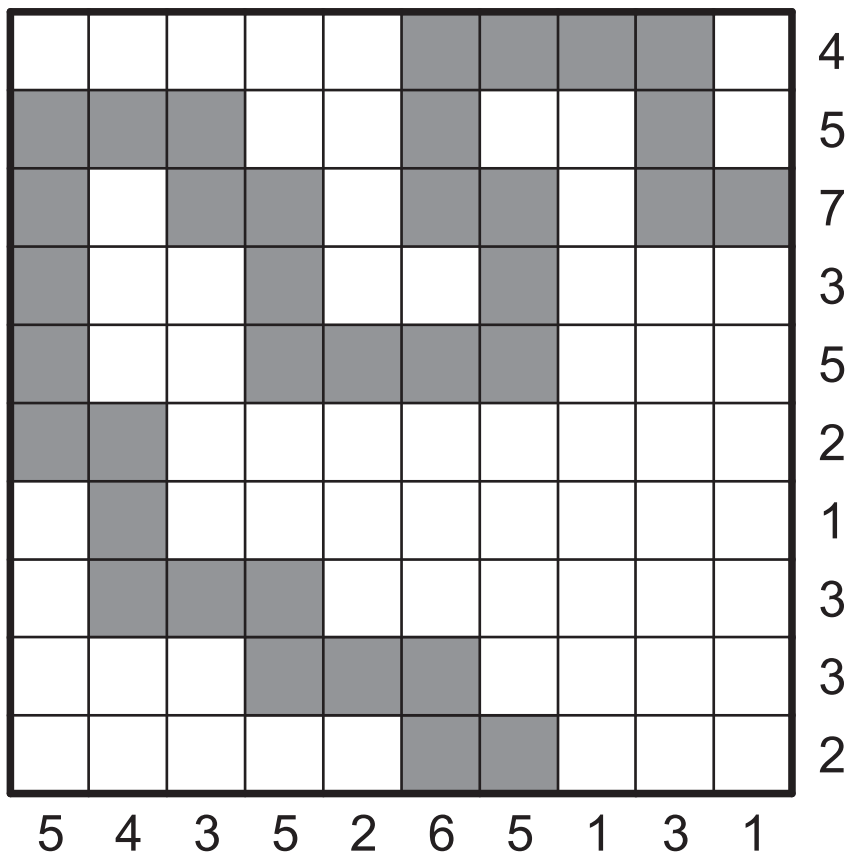
7. to 9. Sum around

4	1	2	3	5	7	6
13			13	14		21
5	3		6	2	4	1
		20				13
3	4	7	5	6	2	1
19			21	18		9
7	5	3	6	1	4	2
15			18	18		15
1	2	5	4	7	6	3
		14				21
2	6	1	7	3	5	4
21			13	13		17
6	7	4	1	2	3	5

5	3	6	1	2	4
		12		12	
6	2	1	4	5	3
14	12		18	13	
1	5	4		15	
4	1	3	2	6	5
12	10		14	18	
3	4	2	5	1	6
		17		13	
2	6	5	3	4	1

4	3	5	2	1
12				12
3	2	1	5	4
		8	13	
2	1	4	3	5
		13	14	
1	5	3	4	2
15				10
5	4	2	1	3

10. to 12. Pentosnake



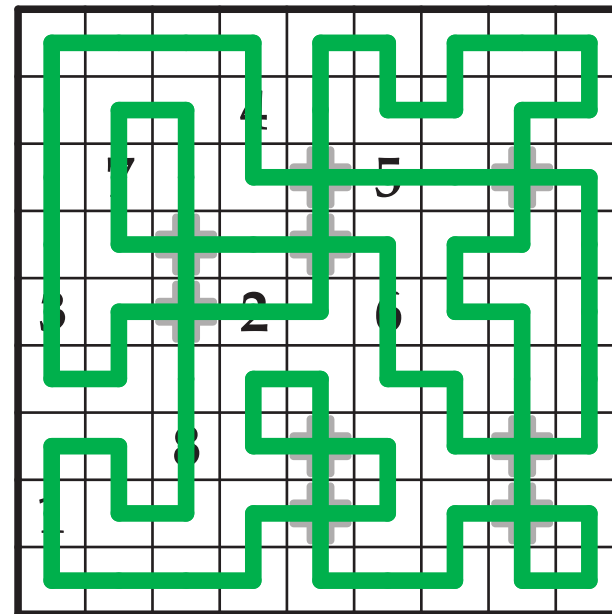
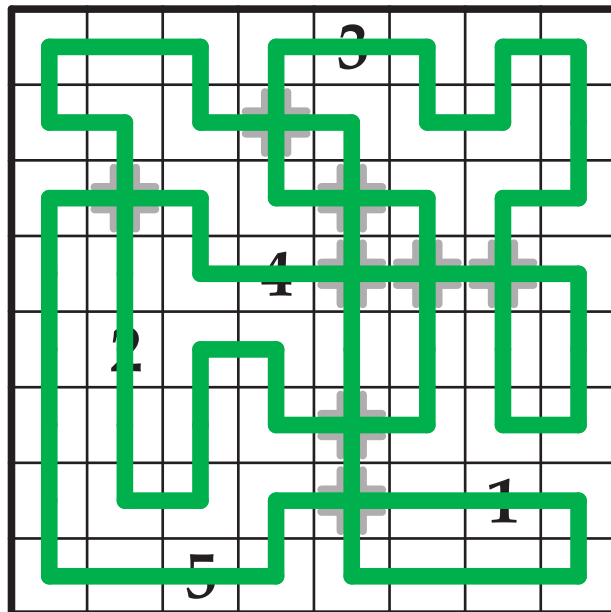
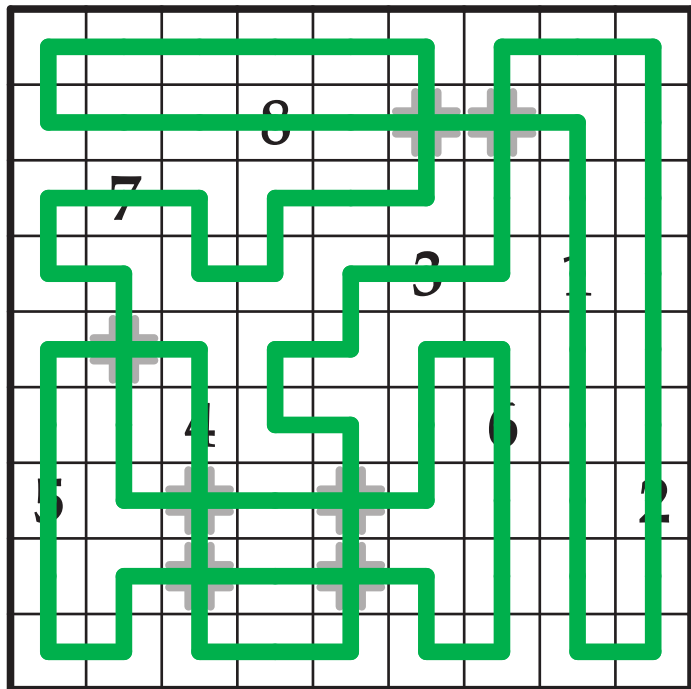
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13. to 15. Railway



16. Password path

E	E	U	O	1	2	E	2
U	2	R	2	R	U	1	E
2	R	1	O	O	O	2	U
E	1	O	O	2	E	1	R
U	O	2	O	U	O	2	O
R	2	2	R	R	U	R	O
O	O	U	2	O	E	O	2
1	2	E	O	1	2	1	2

17. Wordsearch

D	O	K	S	L	A	G	U	T	R	O	P	L	U
Á	K	Š	U	R	O	E	I	C	N	A	R	F	P
N	C	P	O	L	S	K	R	T	C	E	A	O	O
S	I	A	Š	V	É	D	S	K	O	N	D	K	L
K	A	N	I	J	A	R	K	U	G	I	C	S	S
O	N	Ě	M	E	C	K	O	L	R	E	L	G	K
K	K	L	I	T	Á	L	I	E	Ř	D	A	S	O
Č	E	S	K	Á	R	E	P	U	B	L	I	K	A
E	I	K	R	O	K	S	T	A	V	R	O	H	C
R	L	O	N	I	Z	O	Z	E	M	S	K	O	O

18. Scrabble

CHARKOV, DONĚCK,
GDAŇSK, KYJEV,
LVOV, POZNAŇ,
VARŠAVA, WROCLAW

						K			
D	O	N	Ě	C	K	Y			
				H		J			
				A		E			
		V	A	R	Š	A	V	A	
				K					G
		W	R	O	C	L	A	W	D
				V		V			A
					P	O	Z	N	Ě
						V			S
									K

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Puzzlemaker, Honza Krtek Novotný, would like to thank to the following people:

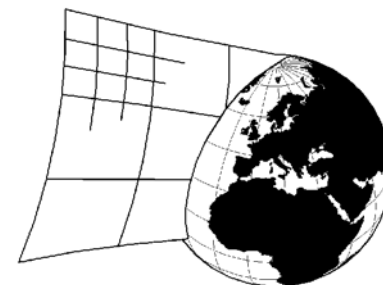
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