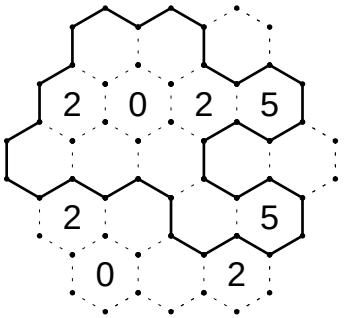
Lösungen zu Runde 1: Pythis Studienfreuden

1.01 Rundweg Hexagonal



1.02 Hochhäuser Knapp daneben

3

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

4

1.03 Hitori de Lettre

S		T	U	R	
M	E		K		R
	A	R	S	P	L
A		E	T		N
I	M	S	O	N	
	N		Y	S	T
E		U		A	
U	S	J	R	V	E
N		P		U	

1.04 Masterword

B	I	N	G	O	○	○	
E	V	A	N	S	●	○	
J	R	U	S	H	○	○	
L	O	V	E	R	●	○	
Y	E	A	R	S	●	○	○
Z	A	G	E	R	○	○	○

G	O	R	A	S	●	●	●	●	●

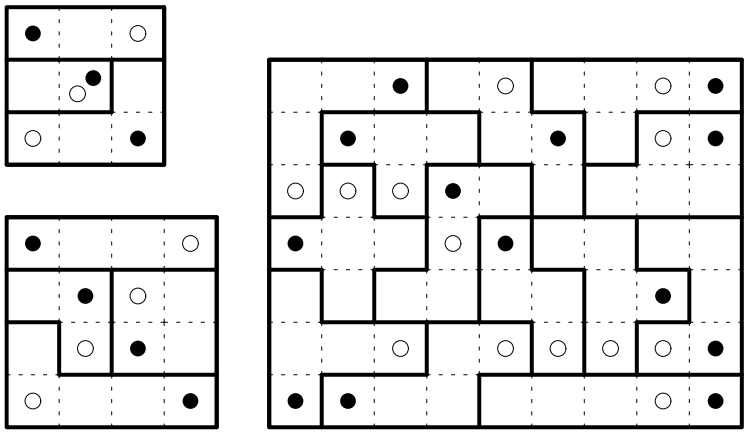
1.05 Worteinbau ohne Isolanis

			LEI			
		CHT	ATH	LET		
	TRA	MPO	LIN	STU	FEN	
BAR	REN	EIS	HOC	KEY	UNI	VER
	SIT	AET	SPE	ERW	URF	
		BAS	KET	BAL		
			LER			

1.06 Polyominos

Die Teillösungen der beiden Quadrate können beliebig gedreht und gespiegelt werden.

1.06 Polyominos

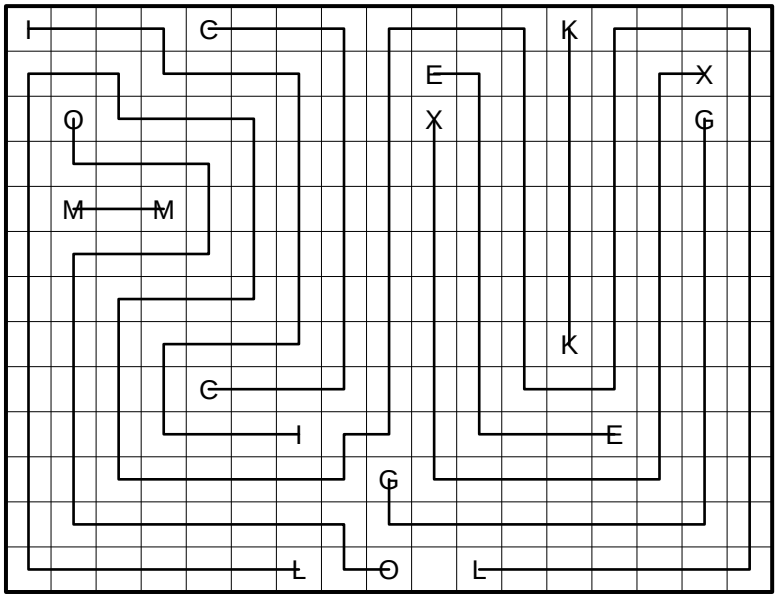


1.07 Mäandernde Mathematiker Antiknight

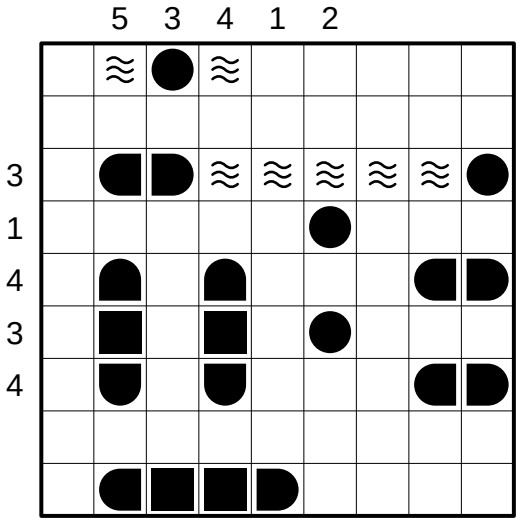
			B	E	R	E
L	U	B	A	R	N	H
E	E	E	L	U	O	T
R	R	L	L	I	O	E
	I	N	N	D	N	
	E	M	A	I	L	
	E	M	G	E	K	
	C	O	N	E	U	
	A	L	P	A	L	

Lösungen zu Runde 2: Gemischte Rätsel A – M

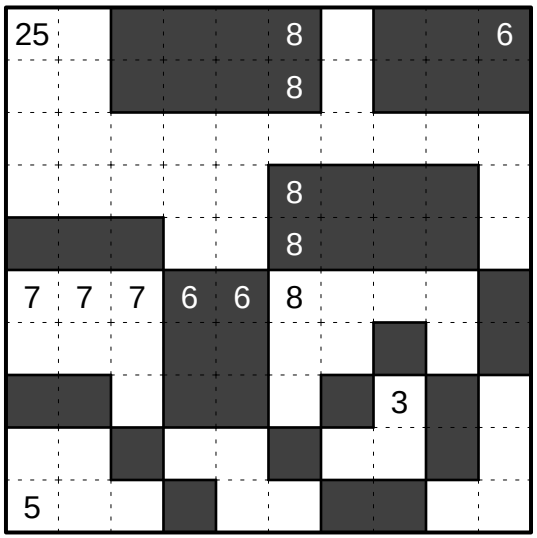
2.01 Arukone



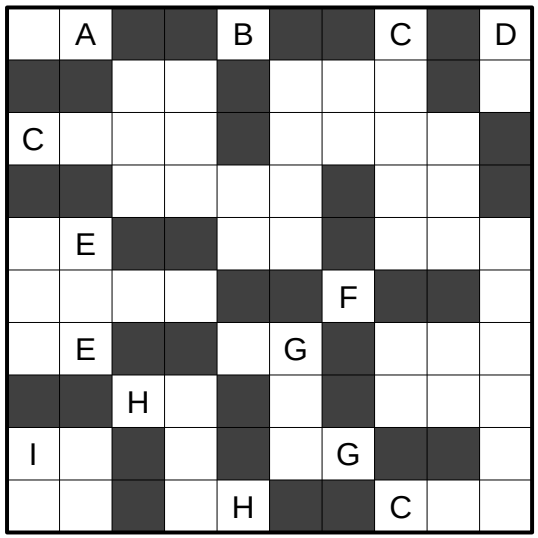
2.02 Battleships



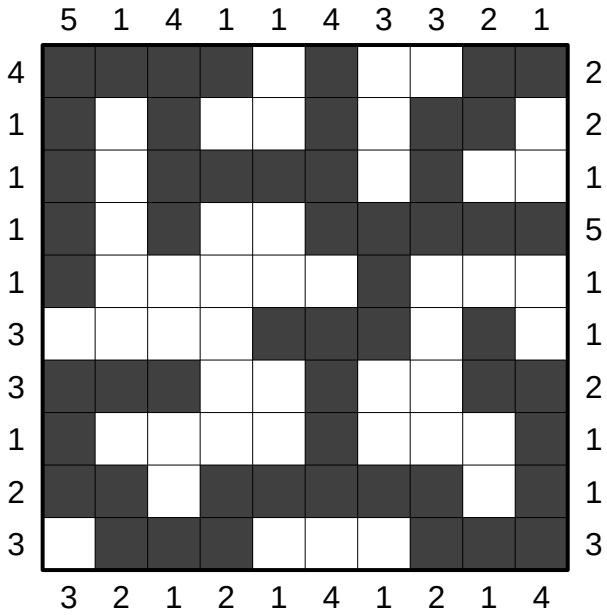
2.03 Choco Banana



2.04 Dominion



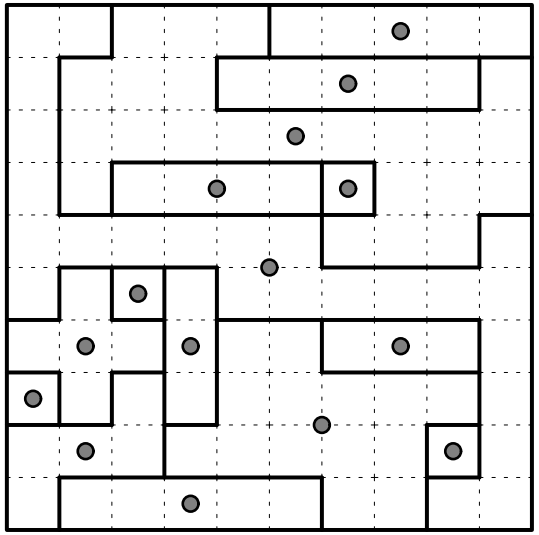
2.05 Erstsicht-Koralle



2.06 Fillomino

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

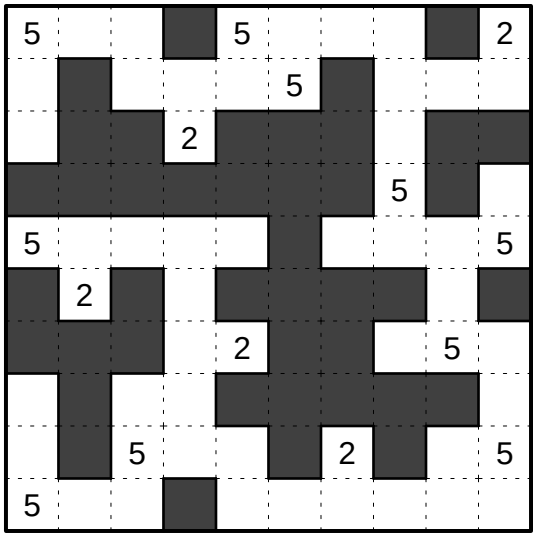
2.07 Galaxien



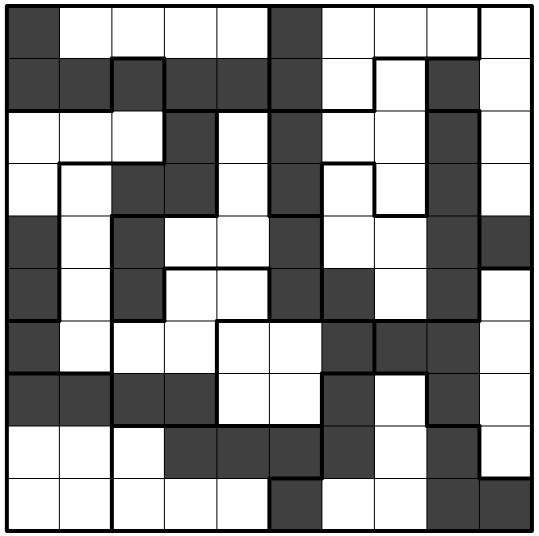
2.10 Japanische Summen

				1							
				2	6			7	7			4		14
				5	9	15	22	22	21	13	12	11	7	7
				4	13	9	4	7	5	22	8	3	7	15
				10	8	14	10	6	3	9	16	12	17	1
6	2	22	9	■	6	■	2	■	7	8	3	4	■	9
1	21	5	5	1	■	6	8	7	■	3	2	■	■	5
		22	20	■	8	9	5	■	4	2	1	6	7	■
3	24	11	4	2	1	■	7	8	9	■	6	5	■	4
	2	20	4	■	■	2	■	5	8	7	■	■	1	3
		24	21	5	2	7	1	9	■	4	8	3	6	■
4	3	11	2	■	4	■	3	■	5	6	■	■	■	2
12	3	5	16	4	7	1	■	3	■	5	■	2	8	6
	5	6	20	■	■	5	■	4	2	■	9	1	3	7
	22	1	20	3	5	8	6	■	1	■	7	9	4	■
10	10	9	3	7	3	■	4	6	■	9	■	■	2	1

2.08 Höhle



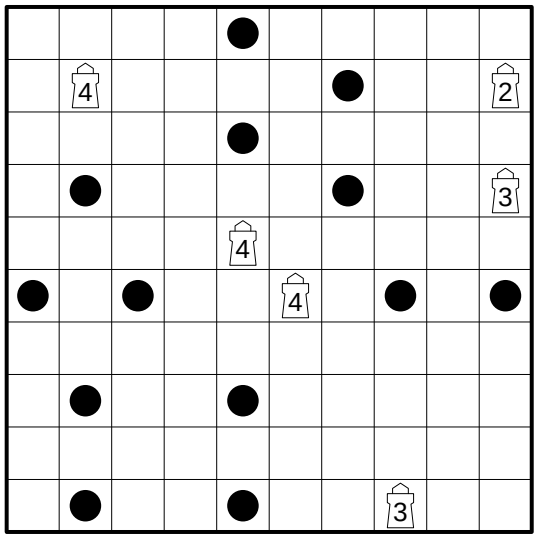
2.09 Inverses LITS



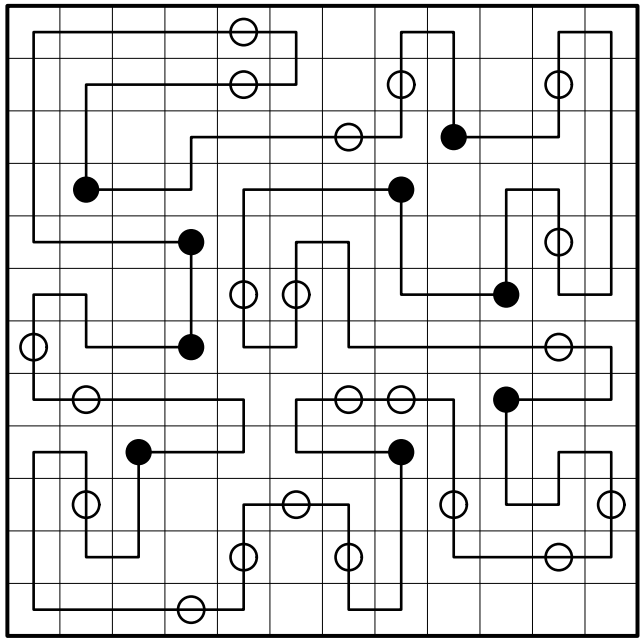
2.11 Kreuzsummen ohne Geschwister

	28	31		3	18	28		28	32
12	4	8	16	2	8	6	12 / 21	5	7
10	8	2	28 / 6	1	7	2	6	8	4
16	5	7	4	28 / 6	3	4	7	6	8
16	7	6	2	1	20 / 25	3	8	4	5
4	1	3	20 / 25	5	8	7	5 / 24	3	2
16	3	5	8	28 / 6	7	5	8	2	6
	10	18 / 14	4	2	5	1	6	9	5
21	3	6	7	1	4	16	7	8	1
25	7	8	6	3	1	8	3	1	4

2.12 Leuchttürme

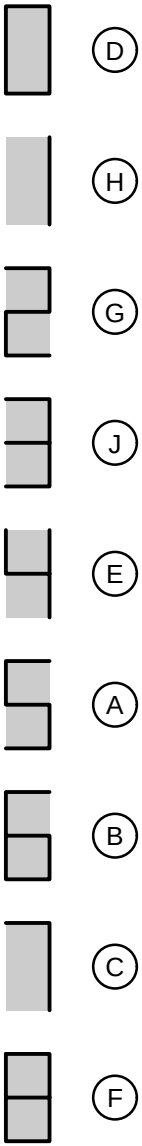


2.13 Masyu

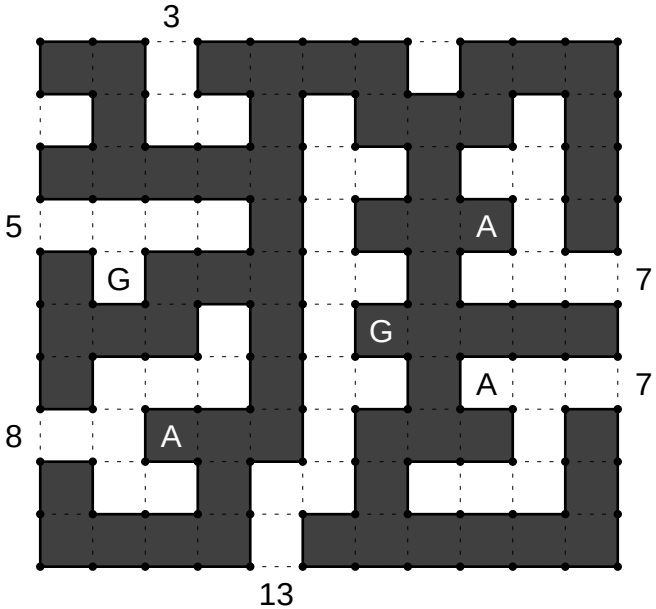


Lösungen zu Runde 3: Kryptische Linienformen

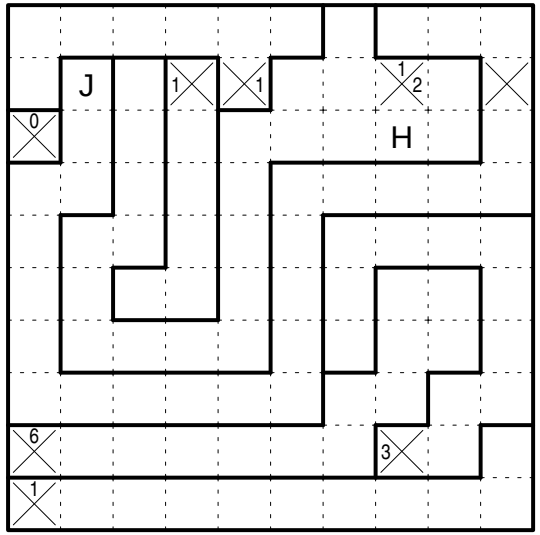
Linienformen



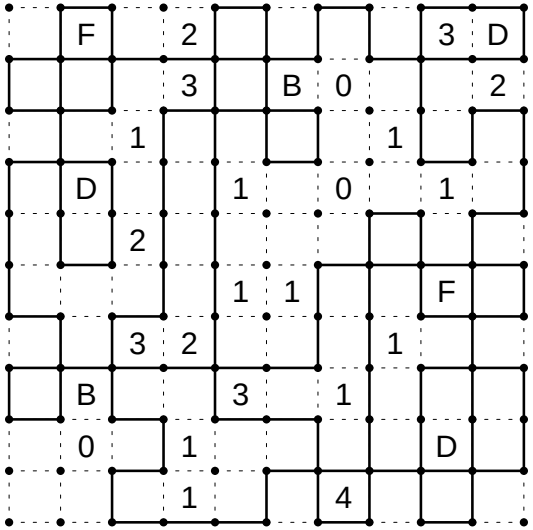
3.01 Außengebiete



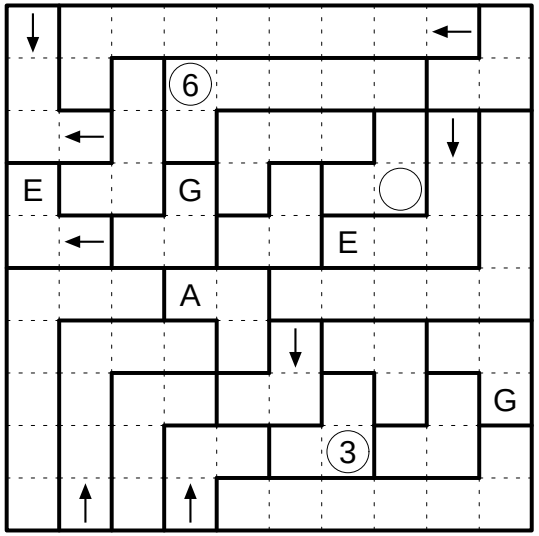
3.02 Kompass



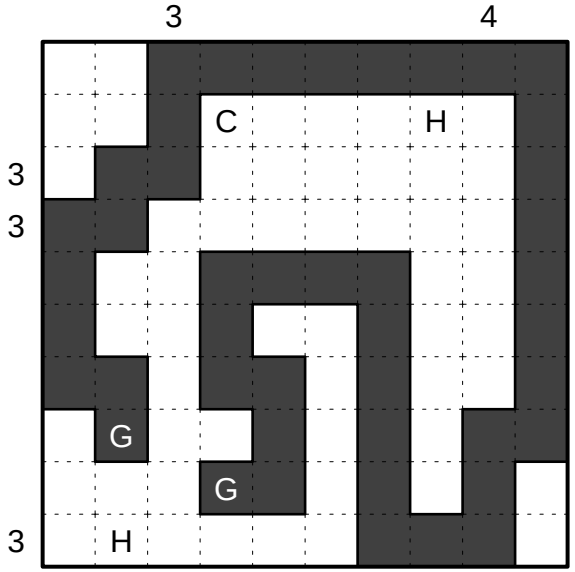
3.03 Rundweg mit Kreuzungen



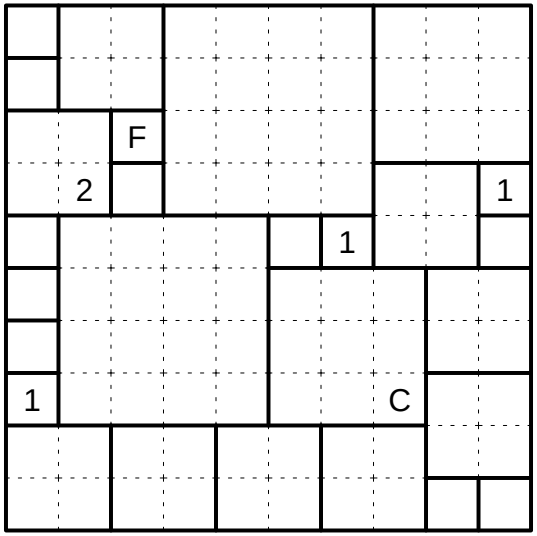
3.04 Sashigane



3.05 Schlange

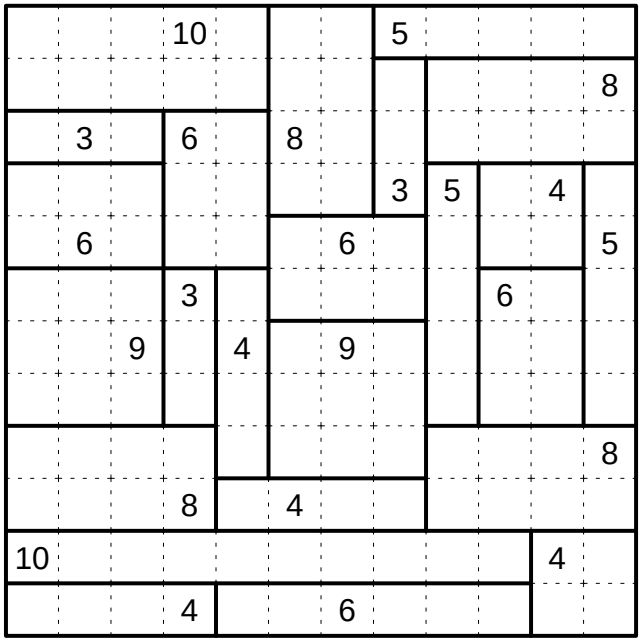


3.06 Square Jam

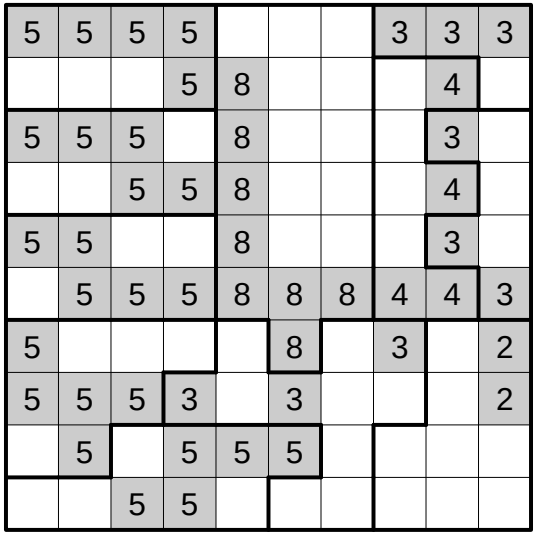


Lösungen zu Runde 4: Nikoli

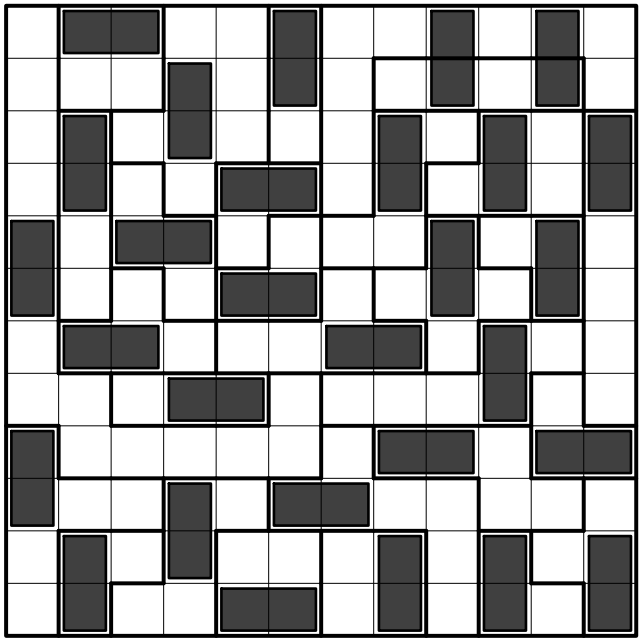
4.01 Shikaku



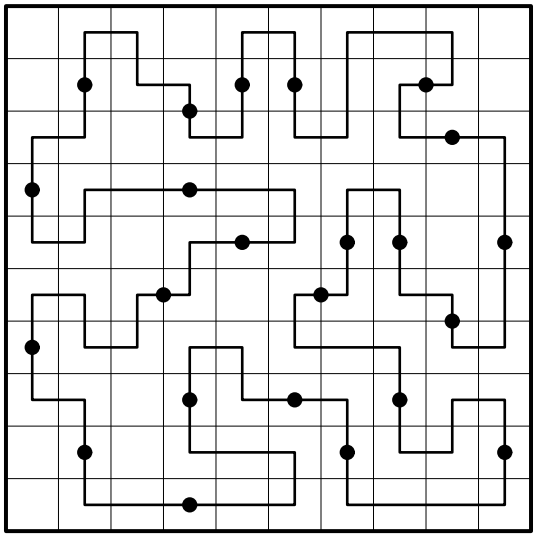
4.02 Nanro



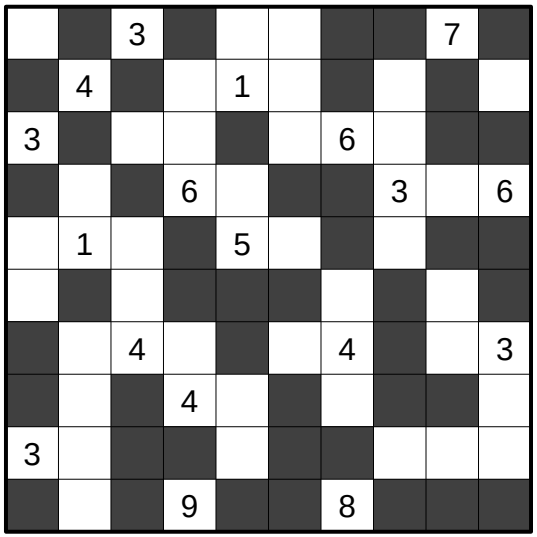
4.03 Norinori



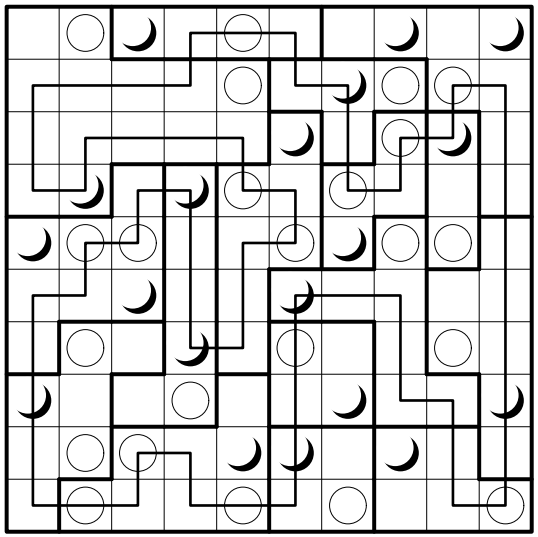
4.04 Mittelweg



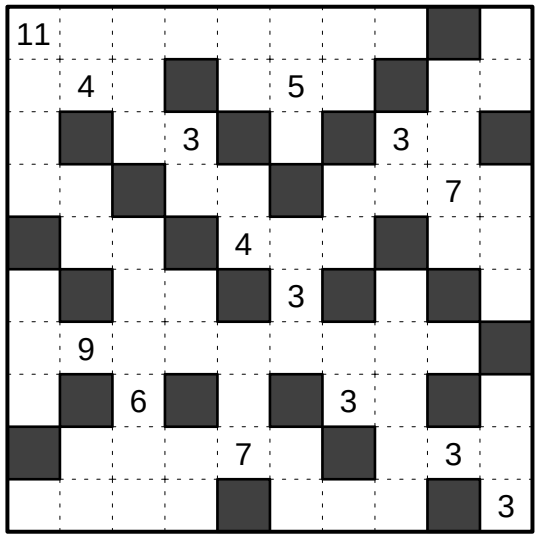
4.05 Kurotto



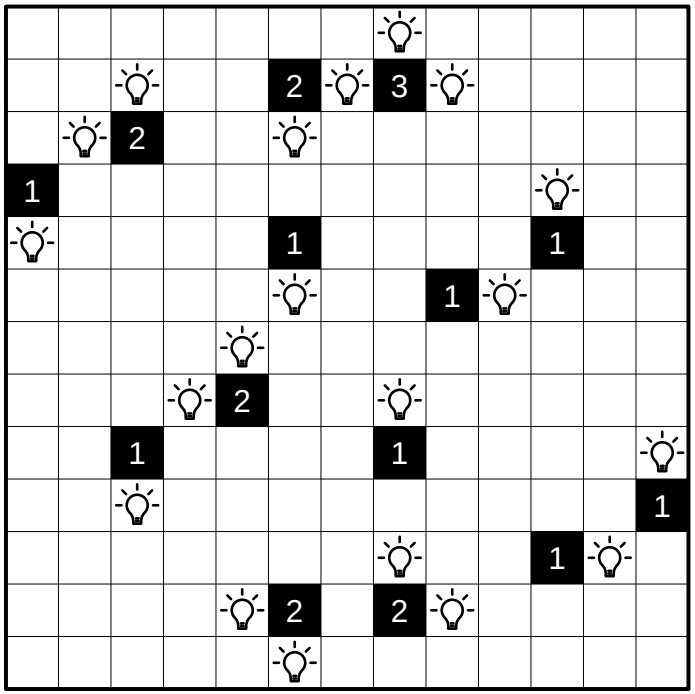
4.06 Mond oder Sonne



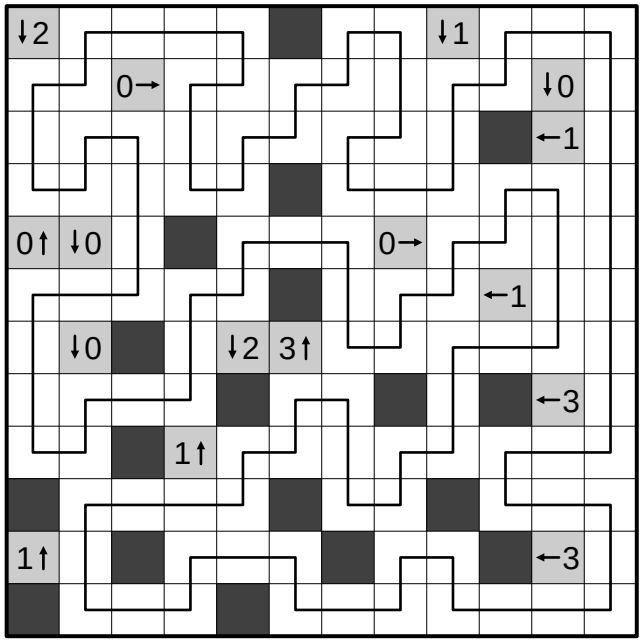
4.07 Kuromasu



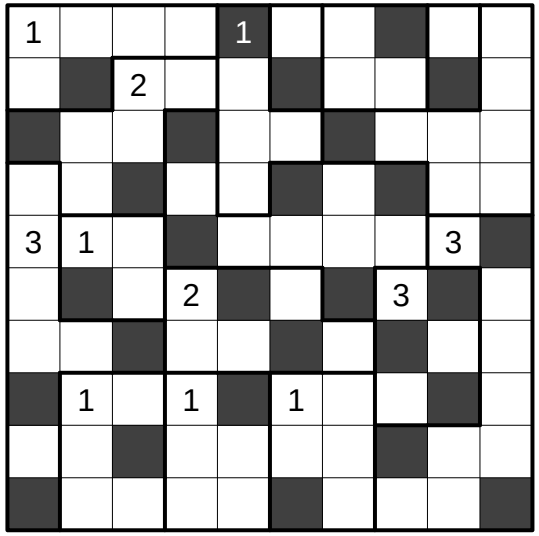
4.08 Akari



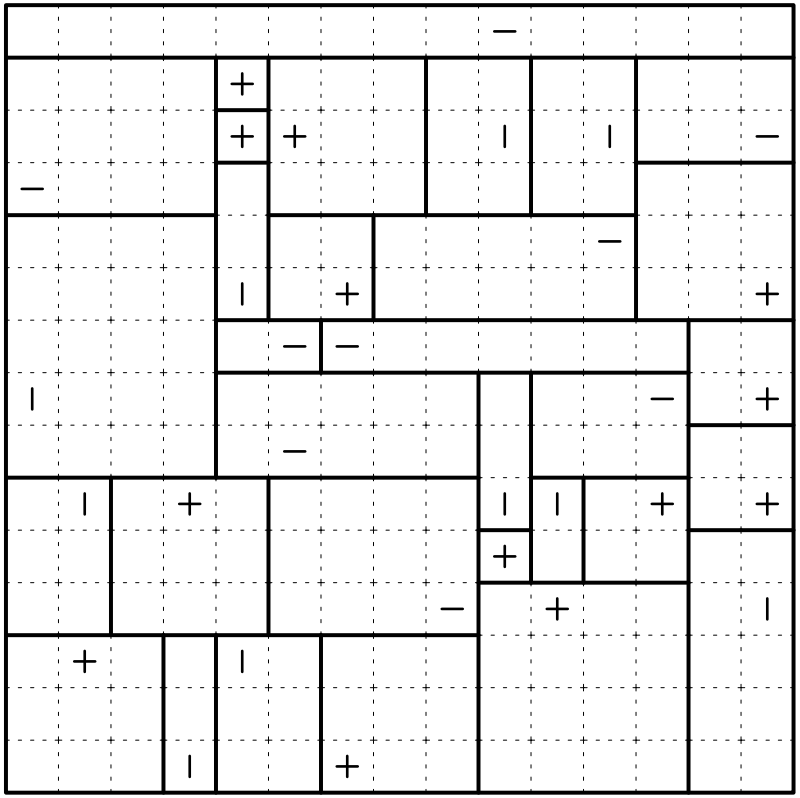
4.09 Yajilin



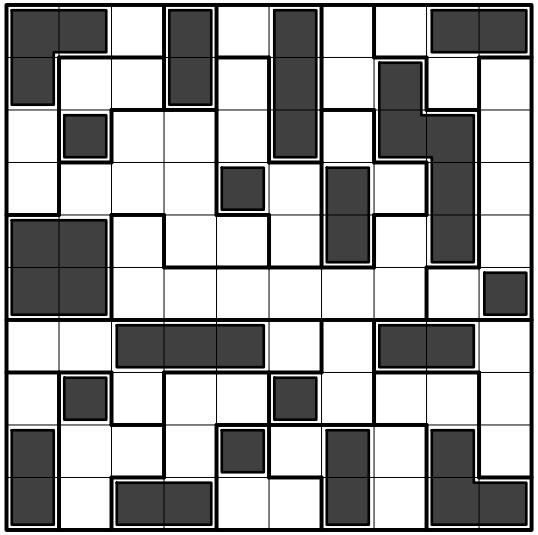
4.10 Heyawake



4.11 Tatamibari



4.12 Shimaguni



4.13 Hakyuu

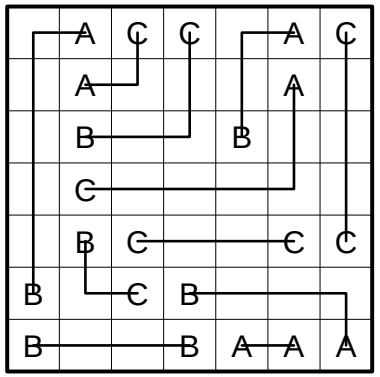
3	1	4	2	3	7	2	4	1	2
1	5	1	3	4	6	1	2	7	3
2	1	3	1	2	5	3	1	2	4
1	2	1	5	1	2	4	3	6	5
3	1	2	6	3	4	5	2	3	1
2	4	1	2	5	1	2	4	1	3
5	2	3	4	1	2	3	1	5	2
1	3	2	1	4	3	6	2	1	4
4	5	1	3	2	7	4	3	2	1
3	2	4	5	3	1	2	1	4	3

Lösungen zu Runde 5: ABCD usw

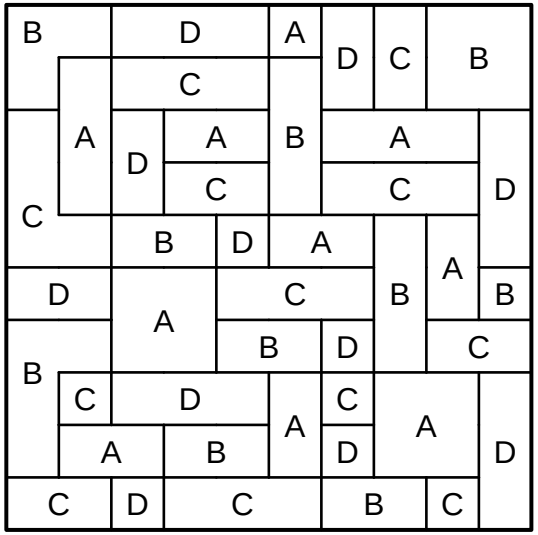
5.01 ABC-Ordnung

	B	C		A
A			C	B
	C	B	A	
C	A		B	
B		A		C

5.02 Einknick-Verbindung



5.04 Landkarte



5.05 Pentomino-Wörter

C	B	R	E	R	Z	R	E	G	I
U	M	K	R	S	U	G	S	E	B
K	S	R	M	A	S	E	N	A	D
U	E	A	A	G	R	E	I	A	N
L	N	L	N	E	S	G	L	R	U
T	L	Z	I	N	B	U	R	N	G

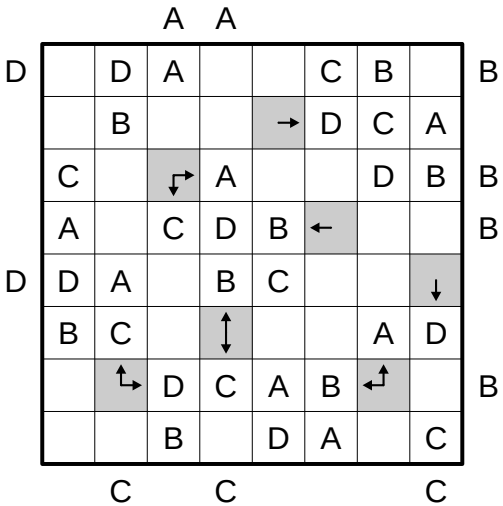
5.03 Distanz

	1	1	2	3	3
1	B	A	A	C	
4	C	A		B	C
3	C	B	A		B
1		C	B	A	A
2	A		C	B	C

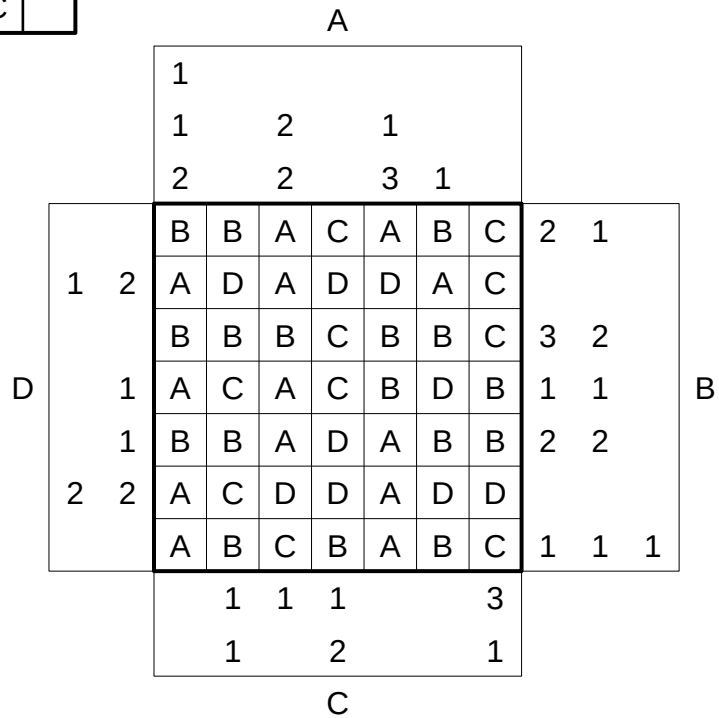
5.06 Buchstabendoppelsalat

	CD		AD		BC
	C	D		A	B
AD	D		A	B	C
AB	B	A	D	C	
AC	A	C	B		D
BC		B	C	D	A

5.07 Buchopia



5.08 ABCD-Verteilung



5.09 BACA

							1		
		2	?				2		
		2	?	4			1		
		A	C	■	B	■	■	■	
	4	■	■	■	■	C	B	A	
1	2 1	■	A	■	■	B	■	C	
		C	B	■	A	■	■	■	A
	2 2	■	■	A	■	■	C	B	
	? ?	■	■	B	C	A	■	■	
		B	■	C	■	■	A	■	A
		B						B	

5.10 Minesweeper-Buchstabensalat

			A		A			
	C			B	A	D		
	B	C	5	A	D		2	
D	D		A	C	6		B	B
		5		D	B	C	A	
	A	B	C				D	
D		D	B		3	A	C	
	?	A	D		C	B		B
					C		C	

5.11 AYDA

	A			A		A	A	
–			A			D	Y	A
		A		D		Y	–	A
A			D	Y	A			–
A		D	Y	A				–
			A		Y		D	A
A	Y				D	A		
A	D	Y			A			
	A	A					A	

5.12 N-View-Buchstabensalat

	A1	A2		A3		A4	
D3		B	C	D	A		B4
D4		A		B	C	D	
	A	C	D			B	B1
D1	D		A		B	C	B2
D4	C		B	A	D		B3
D2	B	D		C		A	
	C2		C4	C1	C3		

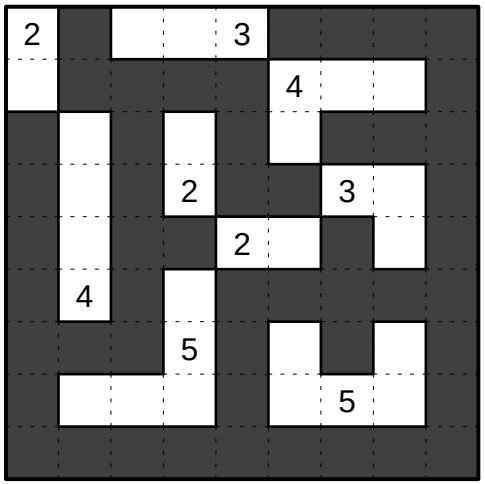
5.13 ABC-Box

?			C		?	?	3		
2		?	?		B	2	?	1	
C		?	B	4	?	?	?	C	?
B	?	2	?	C	3	?	2	2	?
2	?	?	4	?	?	?	2	B	?
?	?	B	?	2	C	?	C	?	?

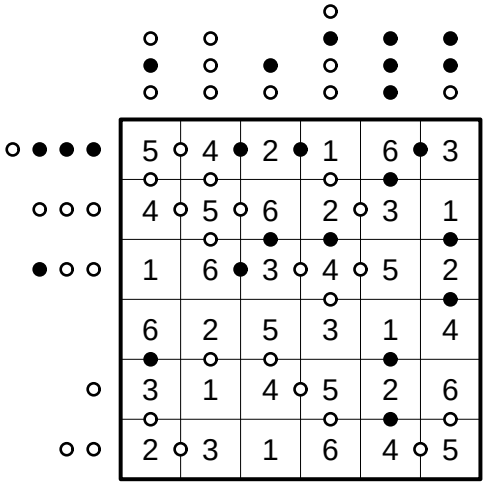
			C	?	?	C	C	C	C	B	A	A	A	A	A
?	A	B	3	C	A	B	A	A	A	B	A	A	A	C	A
	?	?	?	?	?	B	A	B	B	B	B	A	A	C	C
?	?	?	2	?	?	C	A	B	B	B	C	C	B	C	C
			?	?	?	B	A	A	C	C	C	C	C	C	C
		C	?	B	4	C	A	A	A	A	B	A	A	A	A
	?	B	3	2	?	C	B	A	A	A	B	B	A	A	A
		?	?	?	?	A	B	A	A	A	B	B	B	B	B
?	B	2	B	2	?	A	B	A	A	B	A	A	B	B	B
		?	?	?	?	A	B	B	B	B	C	C	C	C	B

Lösungen zu Runde 6: Gemischte Rätsel N – Z

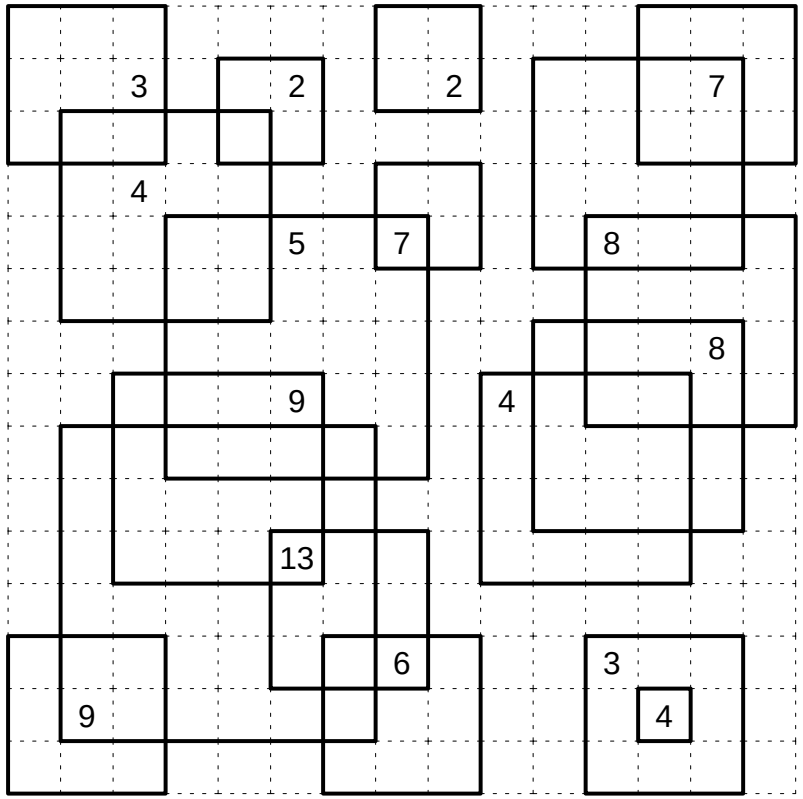
6.01 Nurikabe



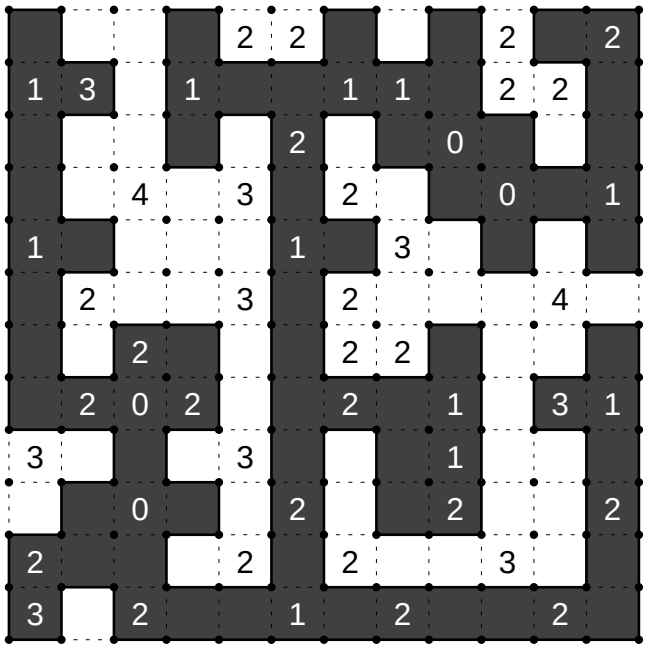
6.02 Outside Kropki



6.04 Quadrate



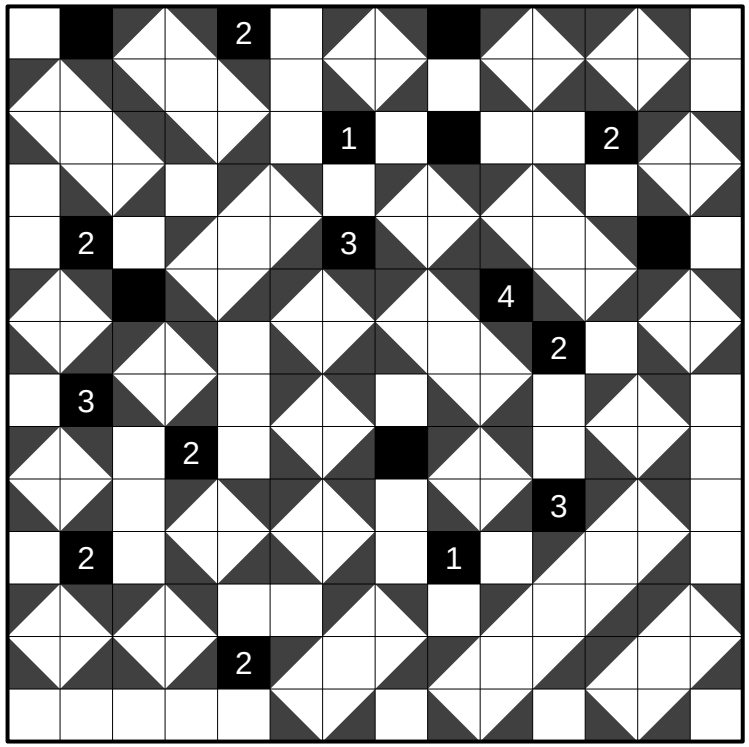
6.03 Polygraph



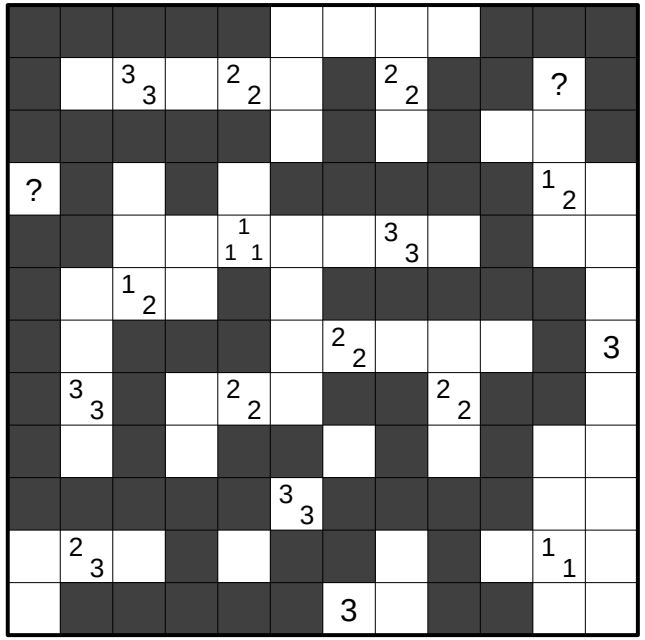
6.05 Roller Coaster

			7				9		
			4	?	?	??	8	?	12
			11	3	??	8	4	??	13
	??	?	6	4	3	1	5	7	2
7	??	5	2	5	7	3	4	1	6
9	??	?	5	3	1	7	6	2	4
		20	1	7	6	4	2	5	3
4	6	11	3	1	4	2	7	6	5
	?	?	7	2	5	6	3	4	1
	??	11	4	6	2	5	1	3	7

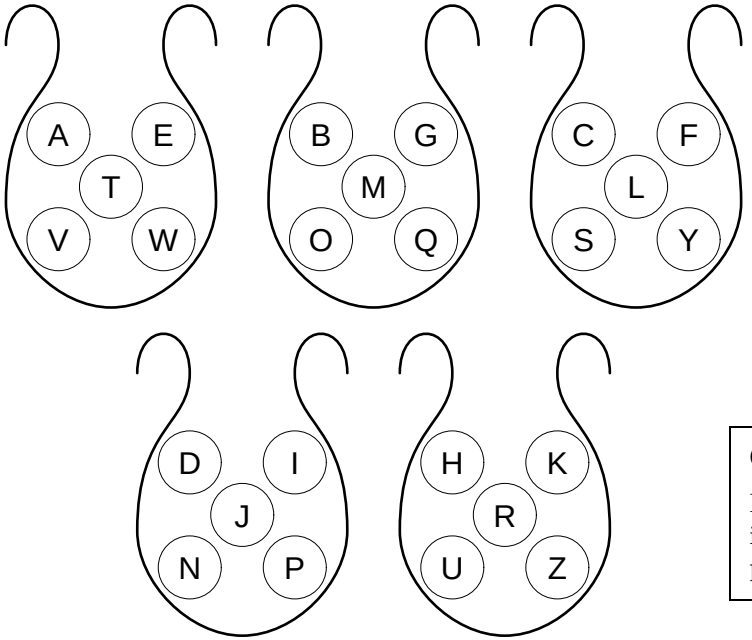
6.06 Shakashaka



6.07 Tapa



6.08 Urnen



6.09 Vista

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

6.10 Wittgenstein-Ziegel

1					1			■	■	■	1
■	3	■		■	■	■	2	■	■	3	
■	■	■	■	■	■			■	■	■	
■	■	■	3	■	■	■	2	■	■	■	
2	■			1		2				■	1
			■		1	■			0		
	■	■	■	■		■		■		■	
1	■	■	■	■		■	2	■	2	■	■
	■	■	3	■		■	2	■		■	■
		1		■	■	■				3	■
	1			■		■	1	1	■	■	■
■	■	■	2	■	■	2					1

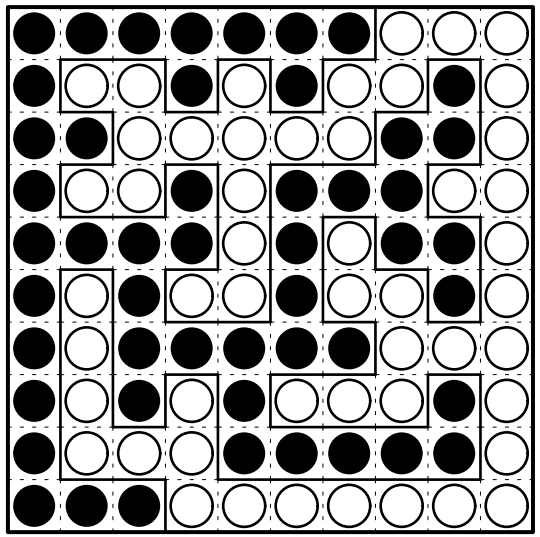
6.08 Urnen

Die Urnen selbst sowie die Buchstaben innerhalb jeder Urne können beliebig permutiert werden.

6.11 X-Summen Sudoku

	25	25							25	
	4	6	2	8	1	7	9	3	5	25
25	5	8	7	2	3	9	4	1	6	25
	9	1	3	6	5	4	8	2	7	
	7	2	9	4	6	8	1	5	3	
25	6	3	8	1	2	5	7	9	4	25
	1	5	4	7	9	3	2	6	8	
	2	7	6	3	4	1	5	8	9	
	3	4	5	9	8	2	6	7	1	
	8	9	1	5	7	6	3	4	2	
				25		25		25		

6.12 Yin & Yang



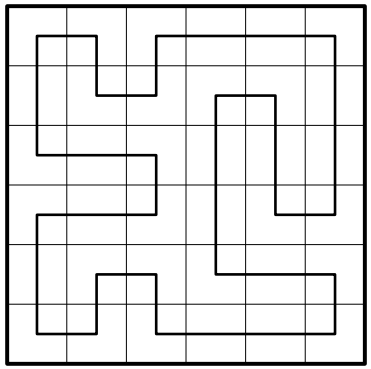
6.13 Zeltlager

		2				2			1
			▲			◺	▲	◺	
2	◺		◺					▲	
1	▲	▲		▲	◺				
1		◺							
							▲	◺	
1		◺	▲						▲
	▲			▲	◺				◺
	◺					▲			
				◺	▲	◺	▲	◺	

Lösungen zu Runde 7: Sechslinge (Kurzfassung)

7.01 Zwischenknick

A = F



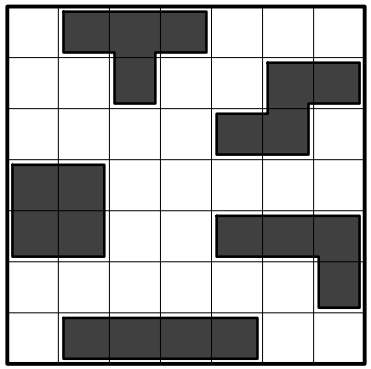
7.02 Gebietssummen

A = B

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

7.03 Regionale Tetrominos

A = C



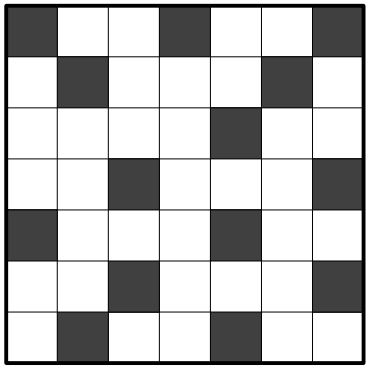
7.04 Binairo

B = D

0	0	1	1	0	1
1	1	0	0	1	0
1	1	0	1	0	0
0	0	1	0	1	1
0	1	0	1	0	1
1	0	1	0	1	0

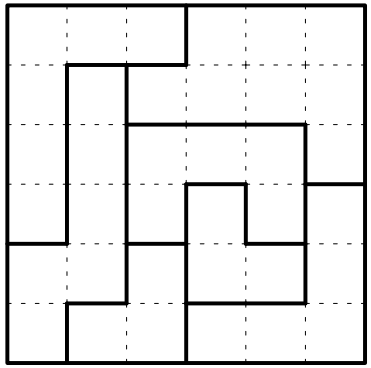
7.05 Hitori

B = E



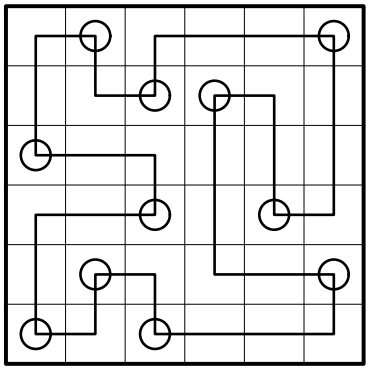
7.06 Araf

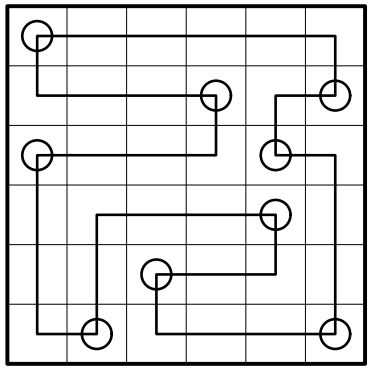
A = D

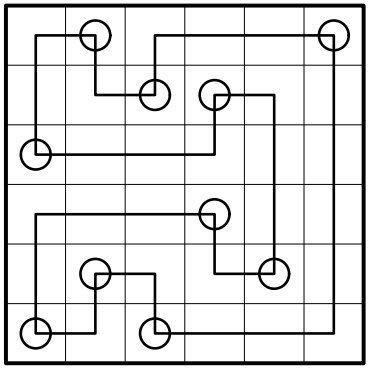


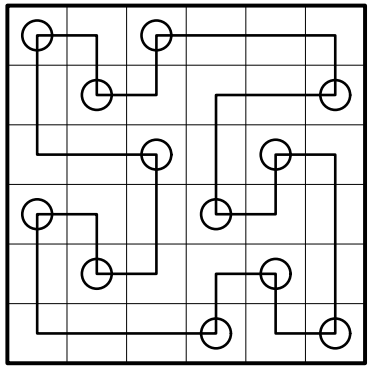
Lösungen zu Runde 7: Sechslinge (Lösungen aller Einzelrätsel)

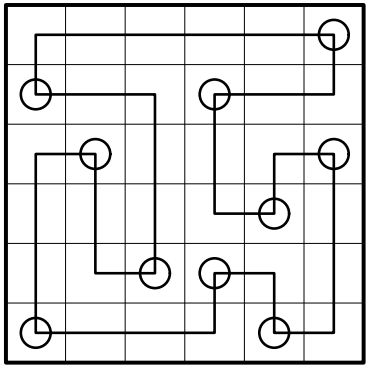
7.01 Zwischenknick

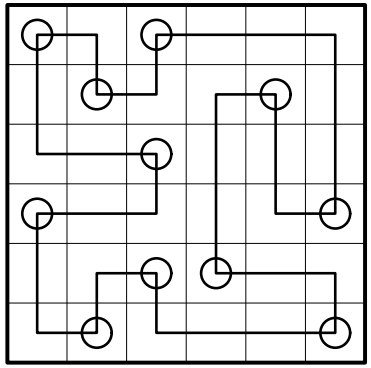












A B

C D

E F

7.02 Gebietssummen

12 5	1	2	3	10 4	6
1	9 2	3	4	15 6	5
9 3	6	12 5	5 1	2	4
15 6	3	4	2	6 5	1
4	5	10 1	6	3	17 2
6 2	4	6	5	1	3

9 5	1	8 2	3	15 4	6
1	2	3	12 4	6	5
15 3	6	12 5	1	2	10 4
6	9 3	4	2	5	1
10 4	5	1	17 6	9 3	2
2	4	6	5	1	3

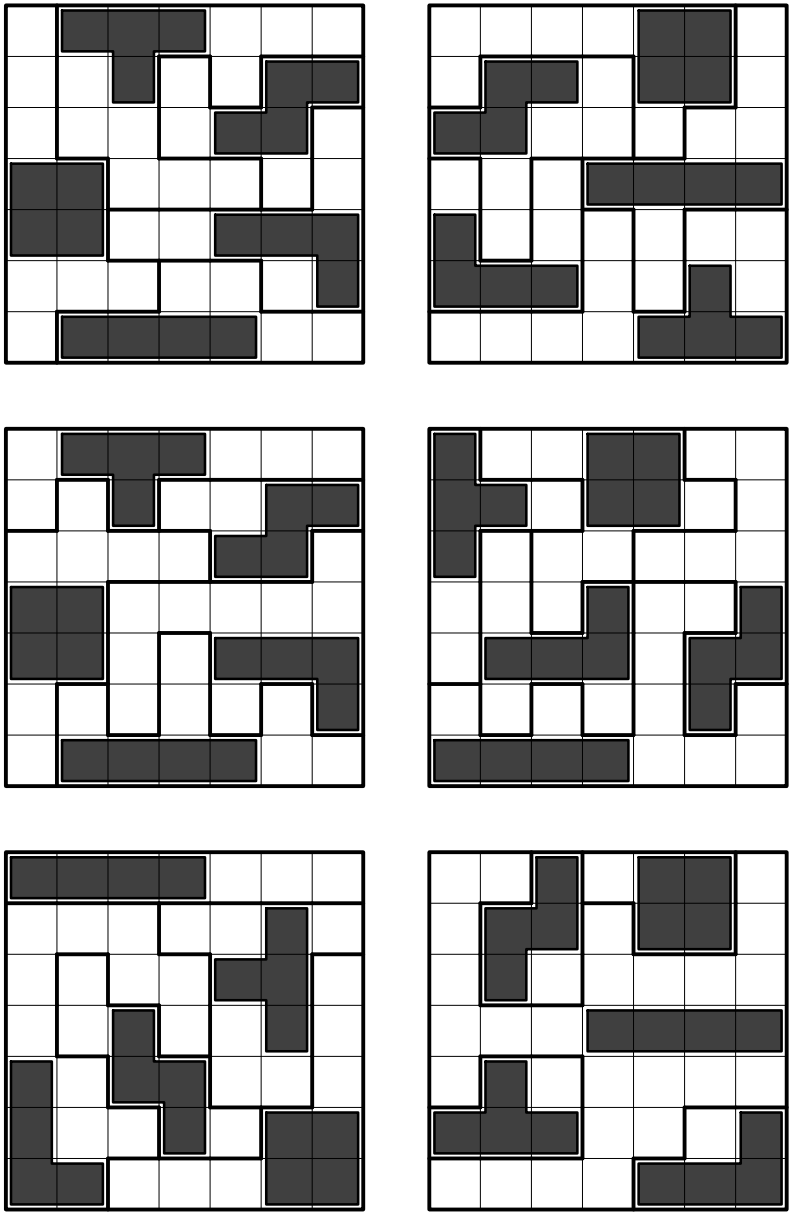
3 2	4 1	3	11 5	6	6 4
1	11 3	6	13 4	5	2
8 3	2	12 5	1	4	9 6
5	11 6	4	2	6 1	3
10 6	4	1	3	2	6 5
4	7 5	2	9 6	3	1

21 4	5	6	9 3	2	1
6	9 4	1	2	3	12 5
16 5	2	7 3	7 6	1	4
3	6	4	1	20 5	2
2	7 1	5	4	6	18 3
1	3	2	5	4	6

10 6	4 1	3	11 2	5	4
1	15 6	5	4	14 3	3 2
3	6 4	2	5	6	1
9 4	11 2	6	4 3	1	14 5
5	3	7 4	1	2	6
8 2	5	1	10 6	4	3

16 3	11 2	4	5	18 1	6
4	3	6 1	6	5	9 2
8 1	6	5	6 4	2	3
5	4 1	3	3 2	15 6	4
2	21 4	6	1	3	5
6	5	9 2	3	4	1

7.03 Regionale Tetrominos



7.04 Binairo

0	1	0	1	1	0
1	0	1	0	0	1
0	1	0	0	1	1
1	0	1	1	0	0
0	0	1	0	1	1
1	1	0	1	0	0

0	0	1	1	0	1
1	1	0	0	1	0
1	1	0	1	0	0
0	0	1	0	1	1
0	1	0	1	0	1
1	0	1	0	1	0

1	0	1	1	0	0
0	0	1	0	1	1
0	1	0	1	0	1
1	0	1	0	1	0
1	1	0	1	0	0
0	1	0	0	1	1

0	0	1	1	0	1
1	1	0	0	1	0
1	1	0	1	0	0
0	0	1	0	1	1
0	1	0	1	0	1
1	0	1	0	1	0

1	0	1	1	0	0
0	1	1	0	1	0
0	1	0	1	0	1
1	0	1	0	1	0
0	1	0	0	1	1
1	0	0	1	0	1

0	1	0	1	1	0
0	1	1	0	0	1
1	0	1	0	1	0
0	1	0	1	0	1
1	0	0	1	1	0
1	0	1	0	0	1

7.05 Hitori

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

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

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

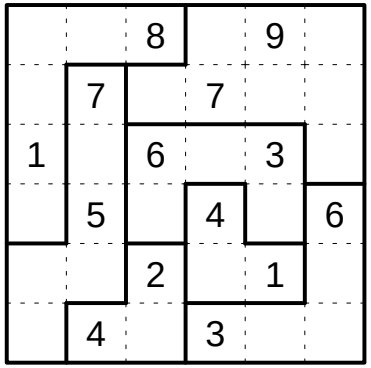
9	2	6	1		8	
	7	3		8	2	9
8	9	2	7	6	5	
7		9	5		6	1
	5		3	4		6
5	1	8	2		7	3
4		5		7	9	

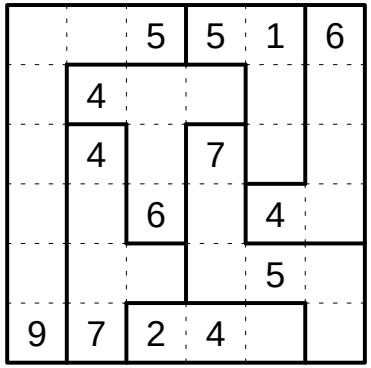
	5	6		2	1	
4		7	5	8		9
5	7	8	9		6	4
3	2		6	1	4	
	9	5	7		3	6
6	1		3	4	8	
7		1	8		9	3

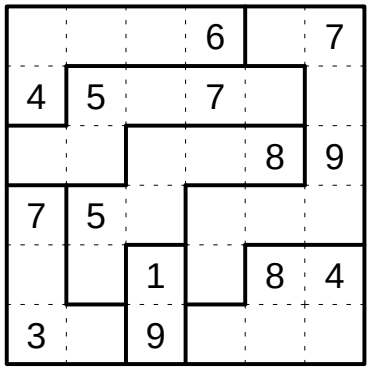
5	6		4		8	9
	9	3	1	5	7	
8		1	7		6	2
9	3	8	5	2		6
7		6		1	9	
2	4		8	6		5
	8	4		3	5	7

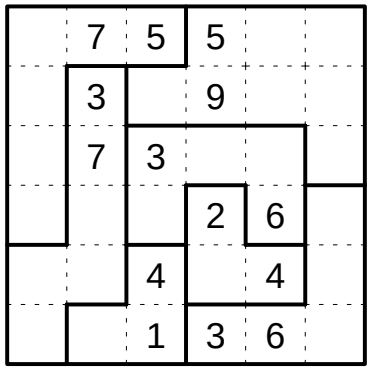
A B C D E F

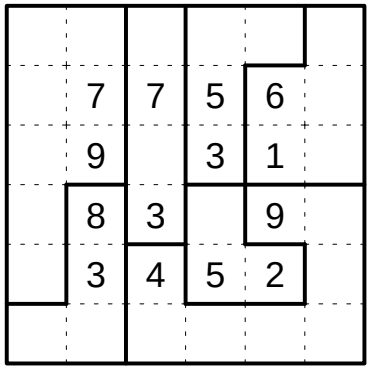
7.06 Araf

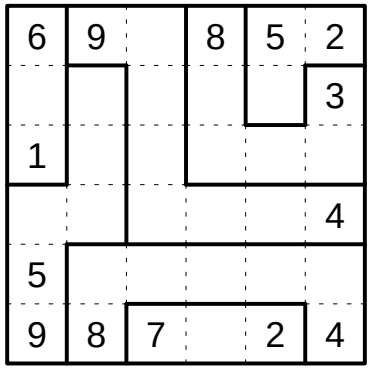






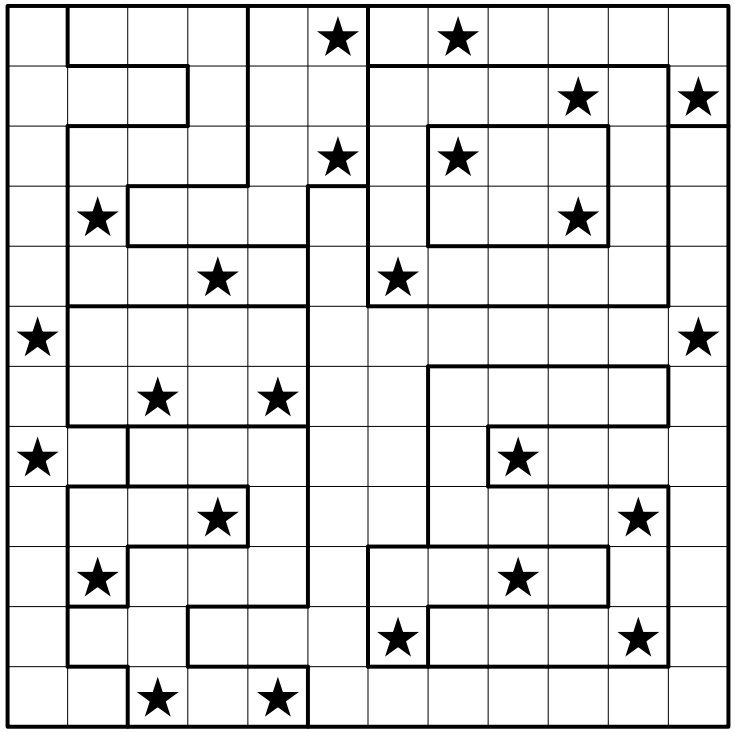






Lösung des Stechens

8.00 Doppelstern

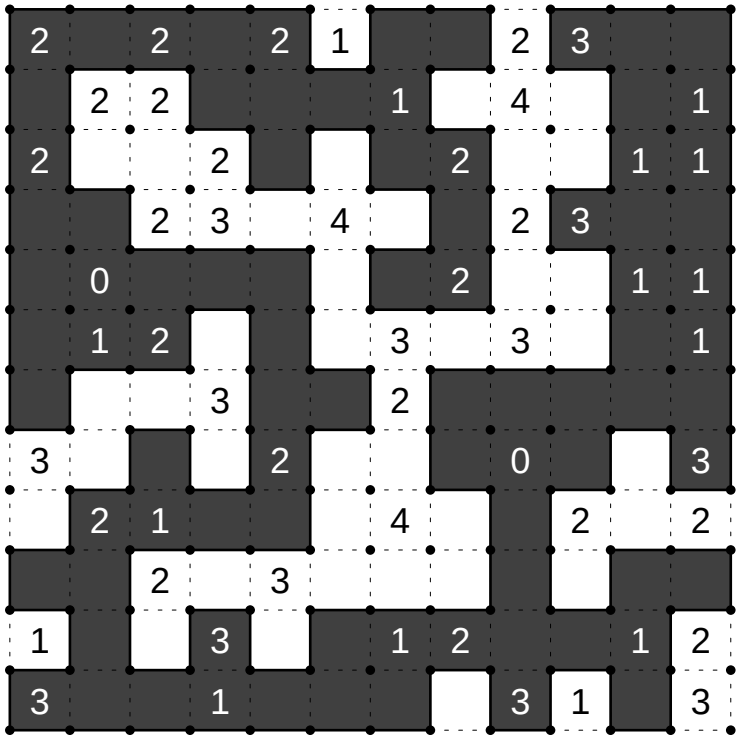


Lösungen des Finales

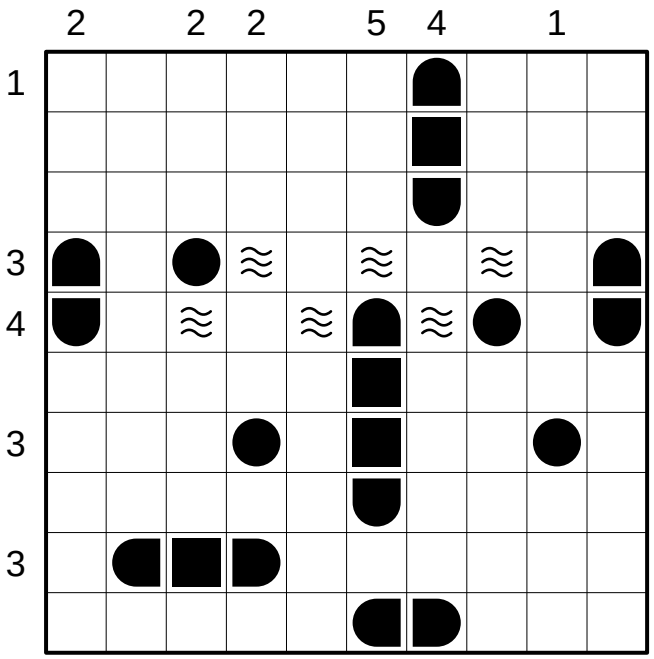
8.01 ABC-Box

								?	?		?	
						?	?	?	?	?	A	
				?	?	?	2	?	?	?	2	
				3	?	?	2	A	2	A	B	
				?	?	2	?	2	3	?	1	
	A	4	B	?	A	C	C	C	C	B	C	C
	?	1	?	?	A	A	A	B	C	C	C	A
?	A	3	A	?	C	A	B	B	B	A	C	C
	?	2	A	?	C	B	B	A	C	C	C	C
?	B	?	2	2	C	B	B	A	C	C	B	B
	?	1	3	?	B	B	B	C	A	A	A	B
	?	?	?	?	B	B	C	C	C	A	A	B
	B	3	A	?	B	B	C	C	C	A	C	C

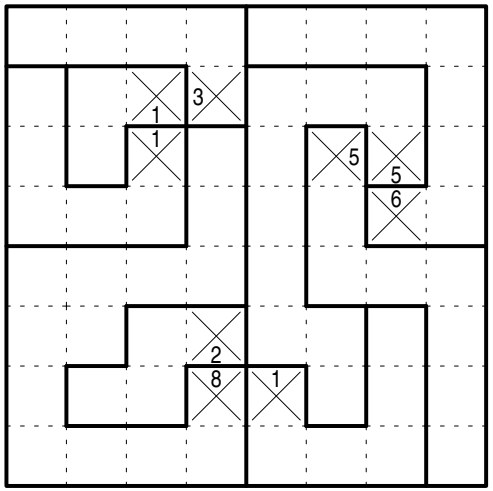
8.06 Polygraph



8.02 Battleships



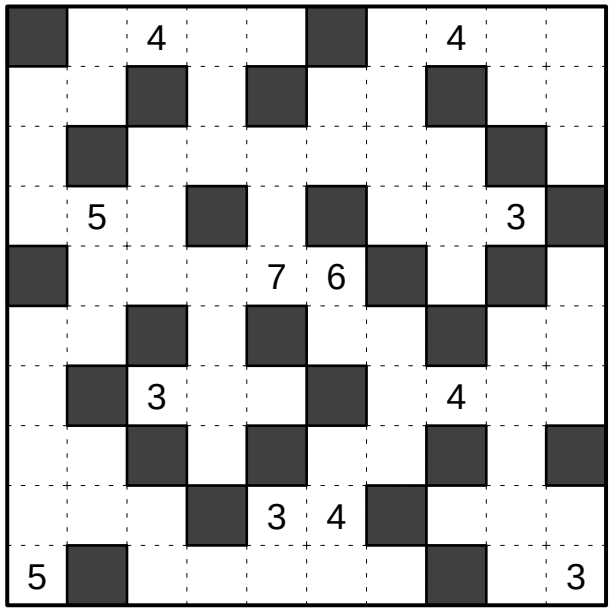
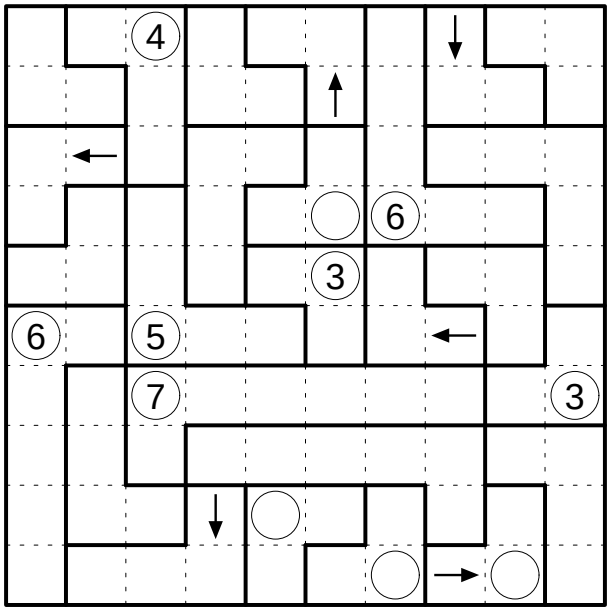
8.03 Kompass



8.04 Kreuzsummen ohne Geschwister

	7	25		15	11		19	5
5	4	1	13	6	7	3 / 9	1	2
8	3	5	19 / 10	5	1	4	6	3
	21 / 11	4	6	1	3	5	2	8
11	5	2	1	3	14	10 / 19	3	7
11	2	6	3	17 / 20	4	5	7	1
11	4	7	15 / 11	6	7	2	10	15
	10	26 / 12	6	7	3	1	5	4
22	6	7	4	5	12	4	2	6
12	4	5	1	2	15	7	3	5

8.05 Kuromasu



8.07 Sashigane