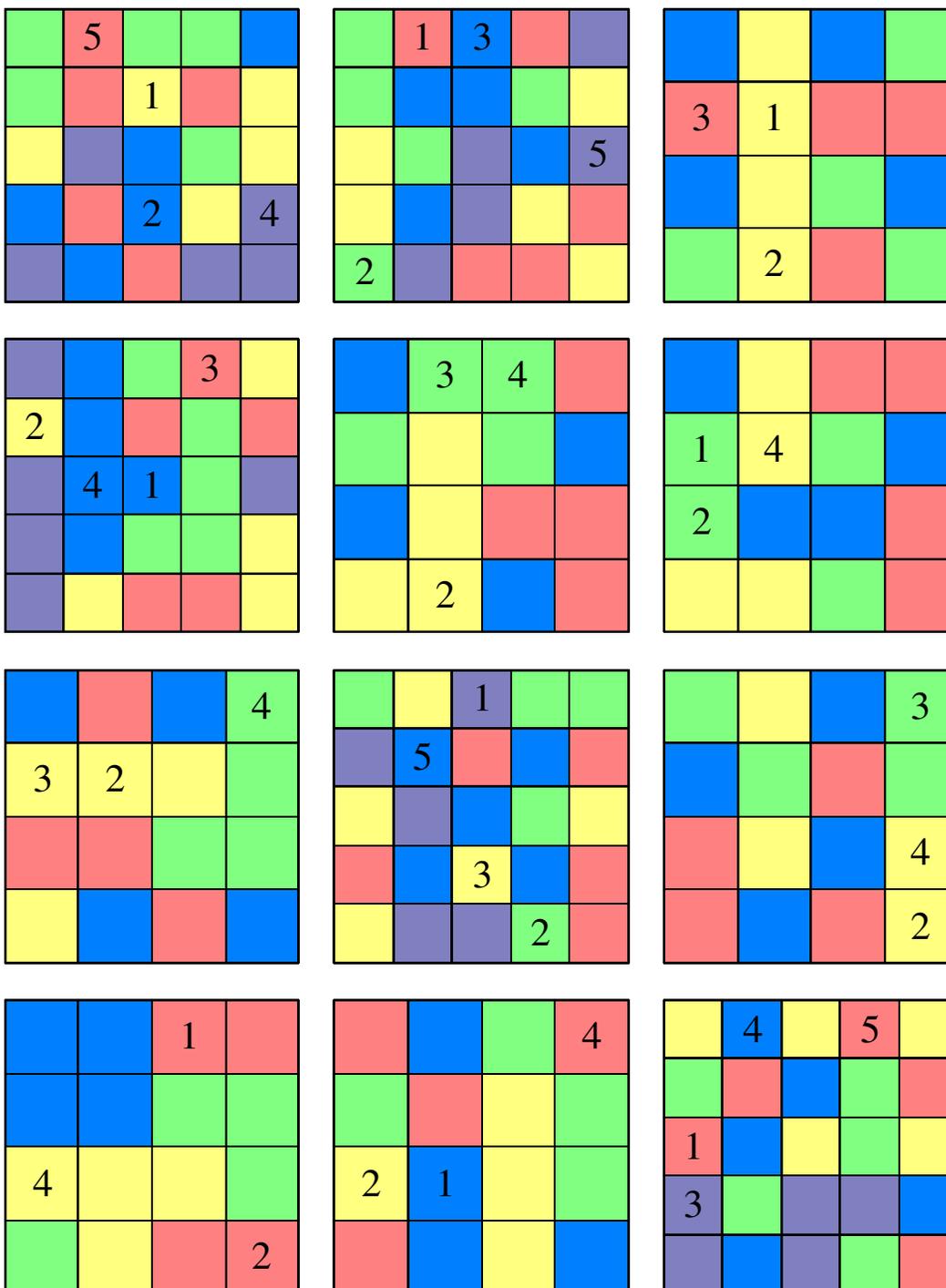


Barvni sudoku

V $n \times n$ kvadratkov moraš vpisati začetna naravna števila od 1 do n tako, da bo v vsaki vrstici, v vsakem stolpcu in v kvadratih iste barve nastopalo vseh n števil.



Latinski kvadrati

V $n \times n$ kvadratkov moraš vpisati začetne črke A, B, C, ... tako, da bo v vsaki vrstici, v vsakem stolpcu nastopalo vseh n črk.

D	B		
A			C
	A		

			C
	C	A	
			B
	D		

			B
		B	C
A			

C			D
	C		E
		A	C
D			
		A	

B		E	
			D
A			
	D		
	C		B

			A
	C	E	A
		C	
B			
	E	B	

			C
		C	A
		B	
	D		
B	E		

	C		
	D	B	
D			C

	D		
			C
A		E	
	C		
C			E

	A	D	
C			
		A	

			A
			C
		C	
A		B	

B			A
		D	C
	A	E	C
			E

Sudoku s črkami

V $n \times n$ kvadratkov moraš vpisati začetna naravna števila od 1 do n tako, da bo v vsaki vrstici, v vsakem stolpcu in v kvadratih z isto črko nastopalo vseh n števil.

B	B	B	D ²
D	C ²	A	A
B	D	A	D
C ³	C	A	C ¹

B	C	C	B
C	D	A	D ²
A	D ³	C	B
D	B	A	A ¹

D	D	B ⁴	C
A	C	B	A
D ²	D	C	A
B ³	A	B	C

B	D ¹	D ²	D
C	A	A	A
B	B	D ⁴	B
C	A	C	C

C	B	B	B
D	D	C	A ³
C	A	B	A
D	C ²	D	A ¹

C	A ³	A	A
D	B ²	C	B
C ¹	C	A	B
D	D	B	D

B	D	A	D
A	C	C	D
C ²	B	D	A
B ³	B	C ⁴	A

C	D	D	B
A ⁴	D	A	C
A ¹	C	C	D
A ²	B	B	B

D	D	B	D ⁴
B	A	A ¹	A
C ³	A	C	C
B	D	C	B

A	D ³	C ²	A
C	A	B	D
C	C	D	B
D	B ¹	B	A

C	C	C	D
B ¹	C	D	B
D ²	A	B	A
A ³	D	A	B

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

Futoshiki

V $n \times n$ kvadratkov moraš vpisati začetna naravna števila od 1 do n tako, da bo v vsaki vrstici in v vsakem stolpcu nastopalo vseh n števil ter da bodo izpolnjene vse relacije.

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Rdeči kvadrati

Naloga reševalca je, da poišče vse skrite rdeče kvadratke in jih označi z R. Pri tem veljata naslednji pravili: a) Vsako število v preglednici pove, koliko sosednjih kvadratkov je rdečih. Kvadrata je sosedena kvadratu, če imata skupno stranico ali oglišče. b) Kvadrati s številkami niso rdeči.

	0	1	
0	1		2
		1	

	1		1
1	2		
			1
1		2	

1	1		0
	2	2	
		2	1

	3		2
			2
2		1	

		0	
1			1
			1
	2	2	

	0		0
			1
			1
	2	2	

1			
		0	
		1	
	0		

1	1		
			1
	2	1	
1	1		0

0	1	1	
			2
	0		

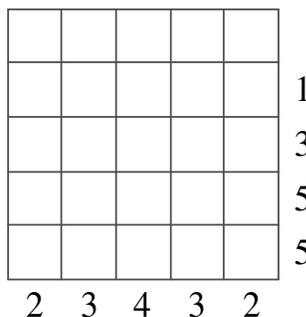
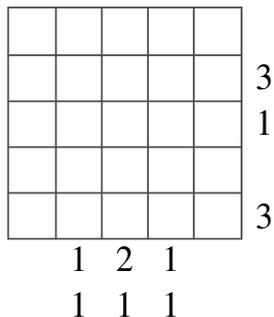
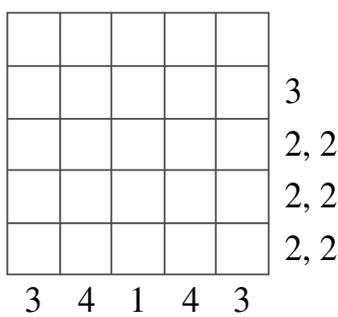
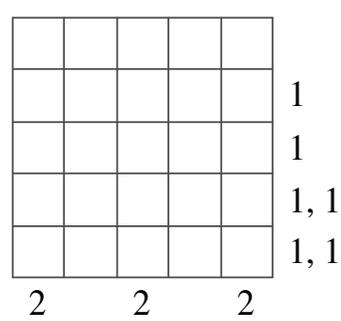
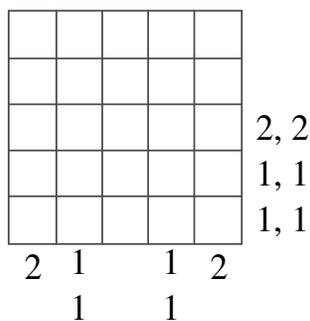
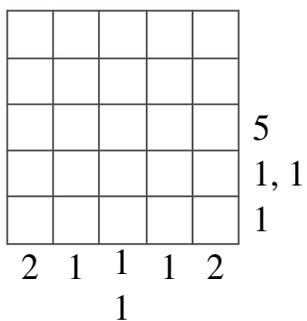
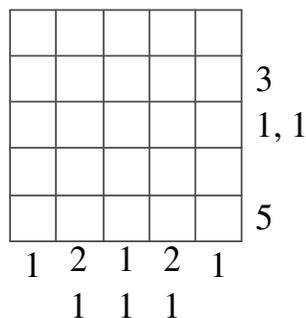
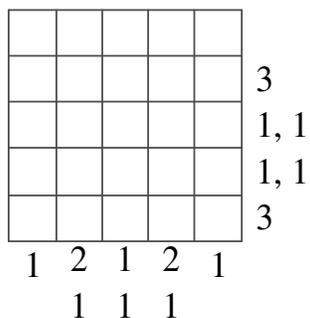
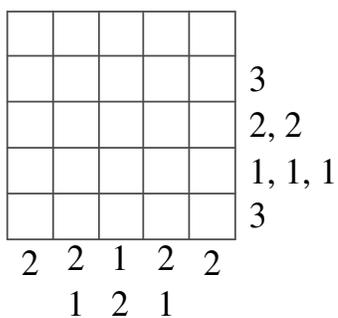
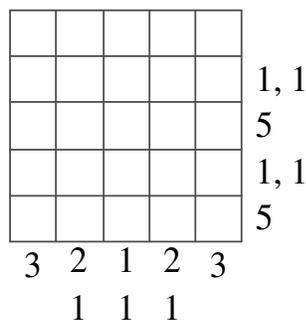
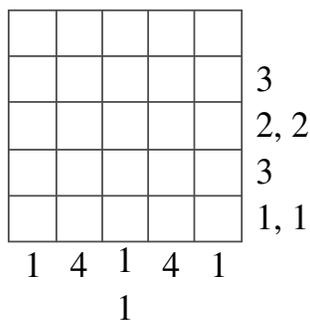
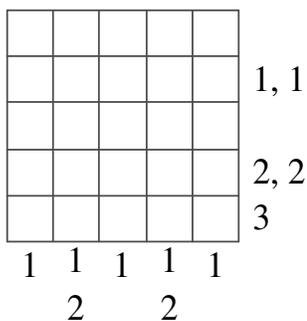
	1		0
2		0	

1		1	1
2	2		
1			0

1			
	2		2
	0	2	

Gobelini

Kvadratke v razpredelnici moraš pobarvati sivo tako, da bo zaporedje sivih pasov v vrstici ustrezalo zaporedju števil na desni, in da bo zaporedje sivih pasov v stolpcu ustrezalo zaporedju števil pod njim.



Križne vsote

Naloga reševalca je, da izpolni bele kvadratke s števkami od 1 do 9 tako, da je vsota števk v zaporednih belih kvadratih po vrsticah in stolpcih enaka številu, ki je zapisano v rdečem kvadratu na začetku vrstice (stolpca) nad (pod) diagonalalo. Pri tem pa morajo biti vse številke v posamezni vrstici (stolpcu) različne.

	17	11	
16			9
15			
	6		

	13	14				
6					3	13
16		15		7	8	
	13		14	9		
		16				
			11			

	8	18				
16					8	6
8		12		9	5	
	11		11			
		10				
			4			

	10	12		
6			10	
17				9
		14		
			4	

	10	8				
14					6	10
3		15		21	4	
	8		16	5		
		18				
			12			

	3	13		
5			16	
15				9
		7		
			14	

	17	15				
17				10	17	
9		12		18	14	
	10		13			
		21				
			17			

	7	22				
11					6	10
10		14		16	4	
	13		14	20		
		24				
			7			

	5	13		
3				12
13				
		14		

	13	12		
8			7	
20			14	
		7		3
			5	
			9	

	8	9		
3			20	
17				9
		9		
			17	

	15	8		
12			23	
17				6
		12		
			11	

Križni produkti

Naloga reševalca je, da izpolni bele kvadratke s števkami od 2 do 9 tako, da bo zmnožek števk v zaporednih belih kvadratih po vrsticah in stolpcih enak številu, ki je zapisano v sivem kvadratu na začetku vrstice (stolpca) nad (pod) diagonalalo. Pri tem pa morajo biti vse številke v posamezni vrstici (stolpcu) različne.

	45	14
63		
10		

	10	304	15	260	
45			15		16
14			40		
24	32	160	72		
18		105	18		
20		54			
54	21				
56					

	36	20	8	630	
	20		18		63
	36		252		
	40	54	756	14	
40	672	70	18		
24		36			
	105	80			
	24				

	21	10			
6			18		
105			189		
		54		10	
			6		
			35		

	32	8640	720	42	
24			21		
32			30		
	160			40	
	864				
8					
40			10		

	14	304			
14				45	16
56				72	
	54		30		
		315	63		
			63		

	35	20	36	
180				
140				

	18	14		
21			90	
60				14
		21		
		12		

	36	6		
27			144	
64				14
		6		
		42		

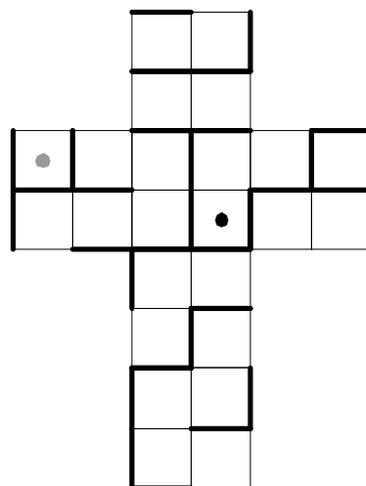
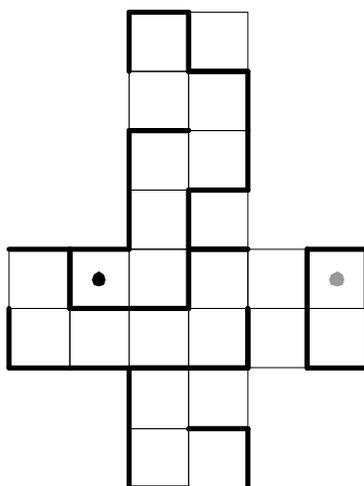
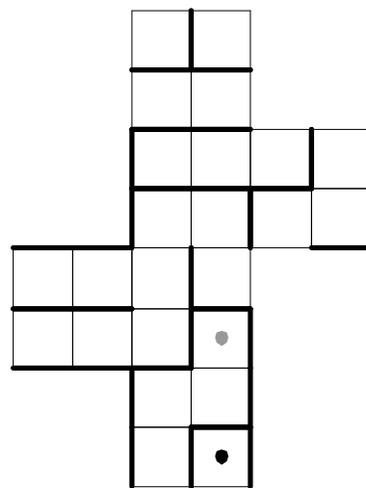
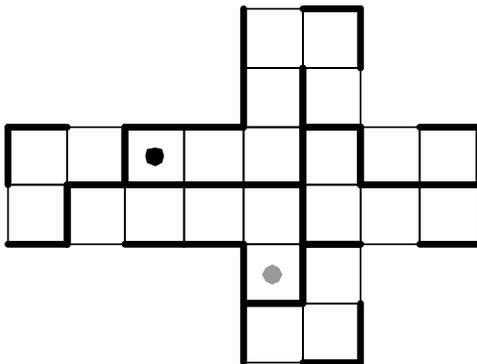
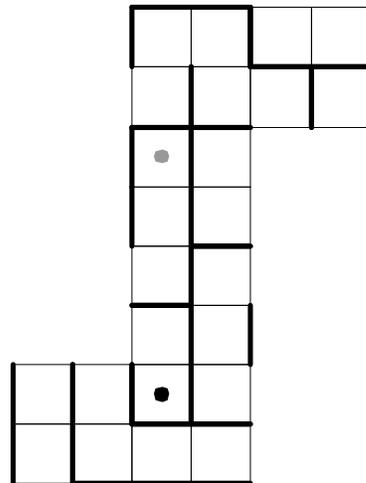
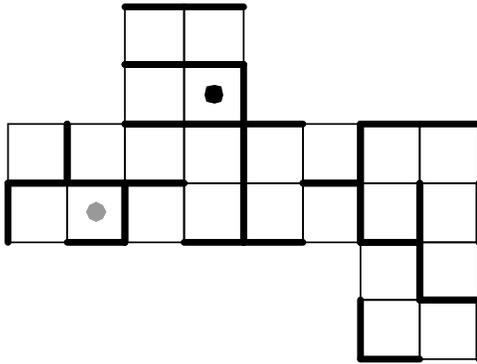
	21	192	10	1260	
42			18		24
12			160		
63	72	540	15		
42	40	288	72		
45		18			
	192	16			
	14				

	40	84			
15				56	18
32			32	44	21
	56		96		
		72	6		
		24			

	48	18			
18					
144		18		40	
		30			63
			18		
			28		

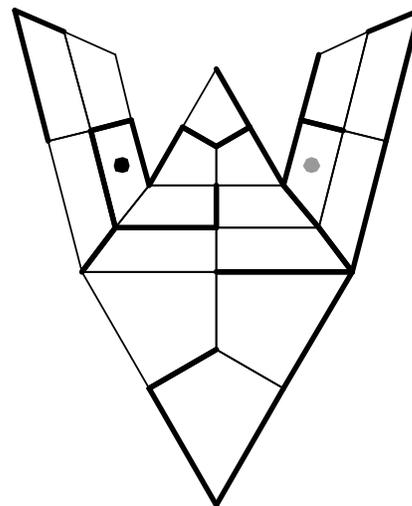
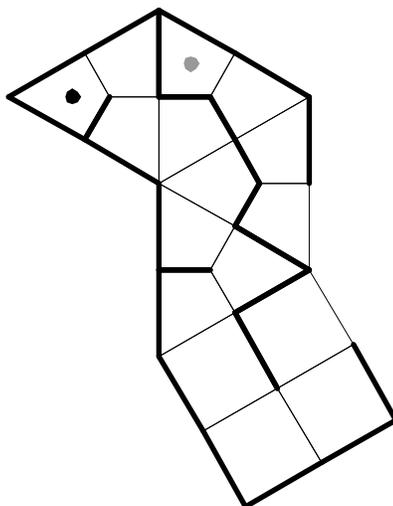
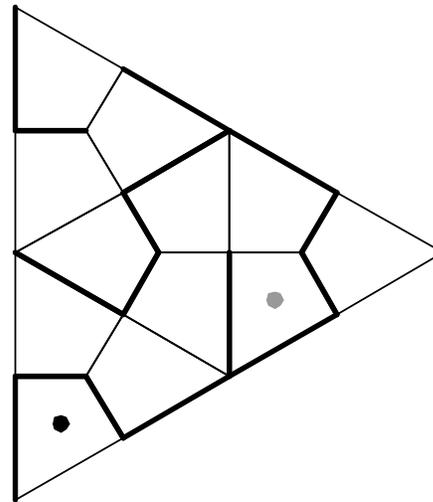
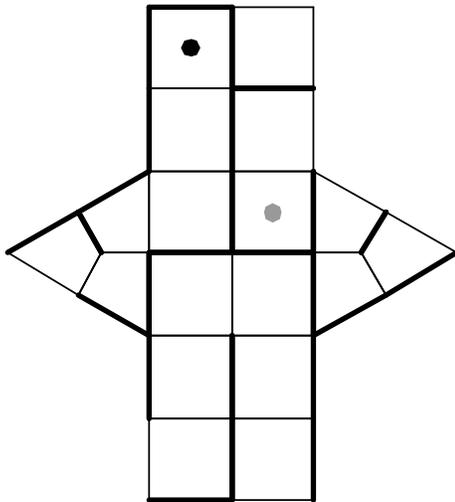
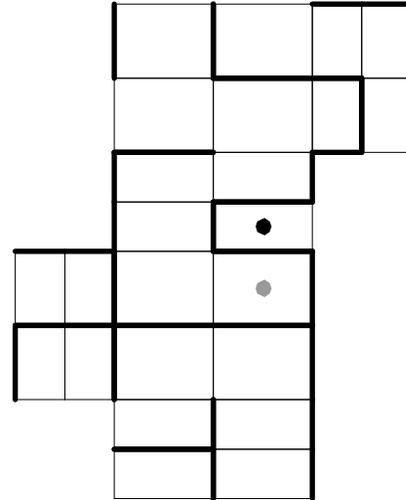
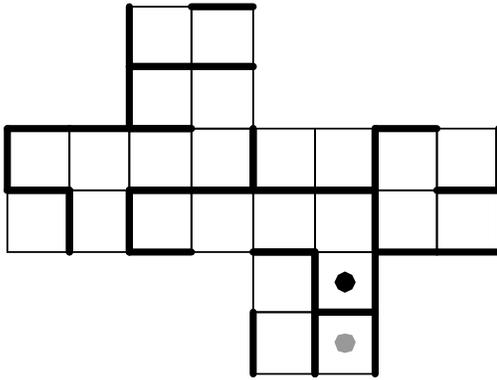
Labirint na kocki

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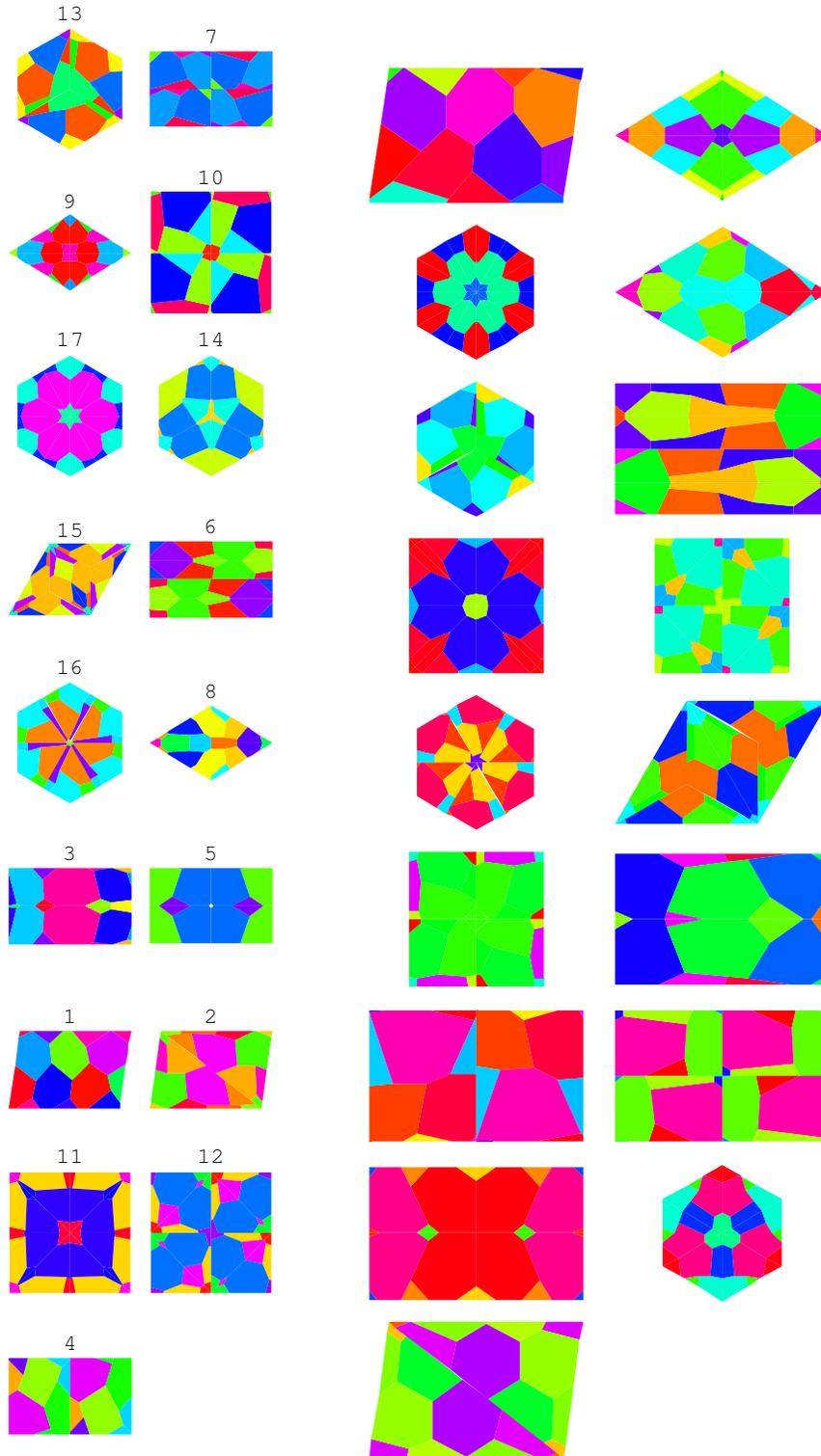


Labirinti na enostavnih poliedrih

Poveži točki na poliedru:

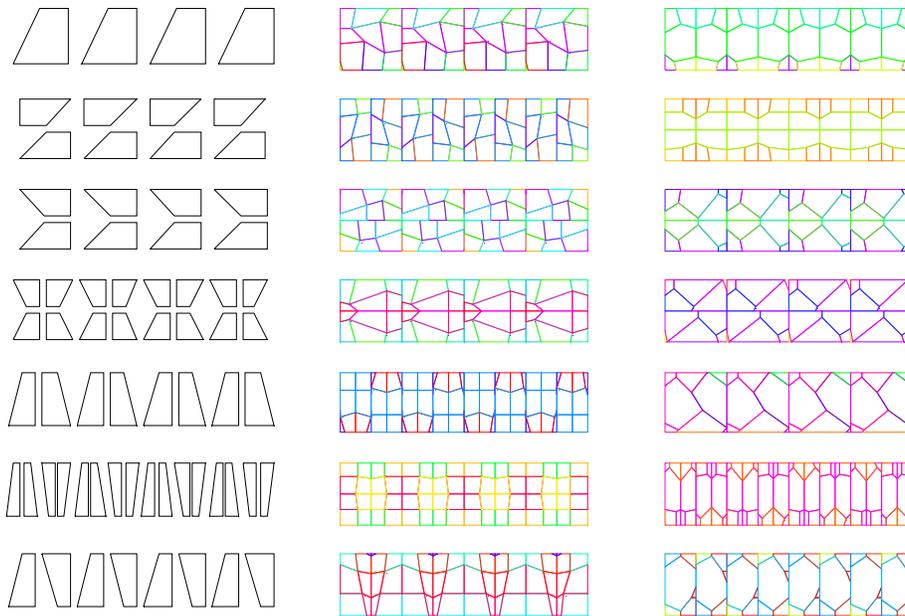


Poveži sličici, ki pripadata isti grupi

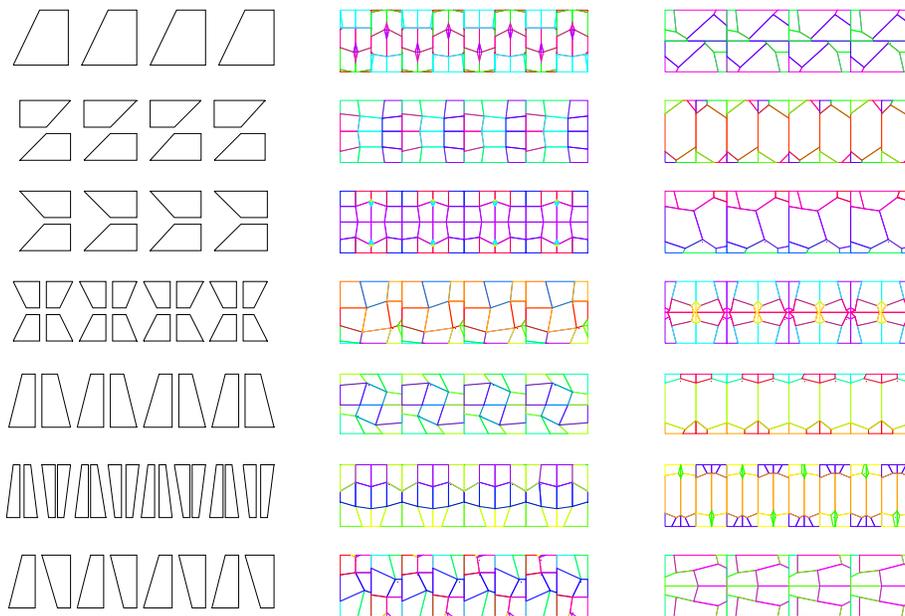


Poveži sličici, ki pripadata isti grupi

a)

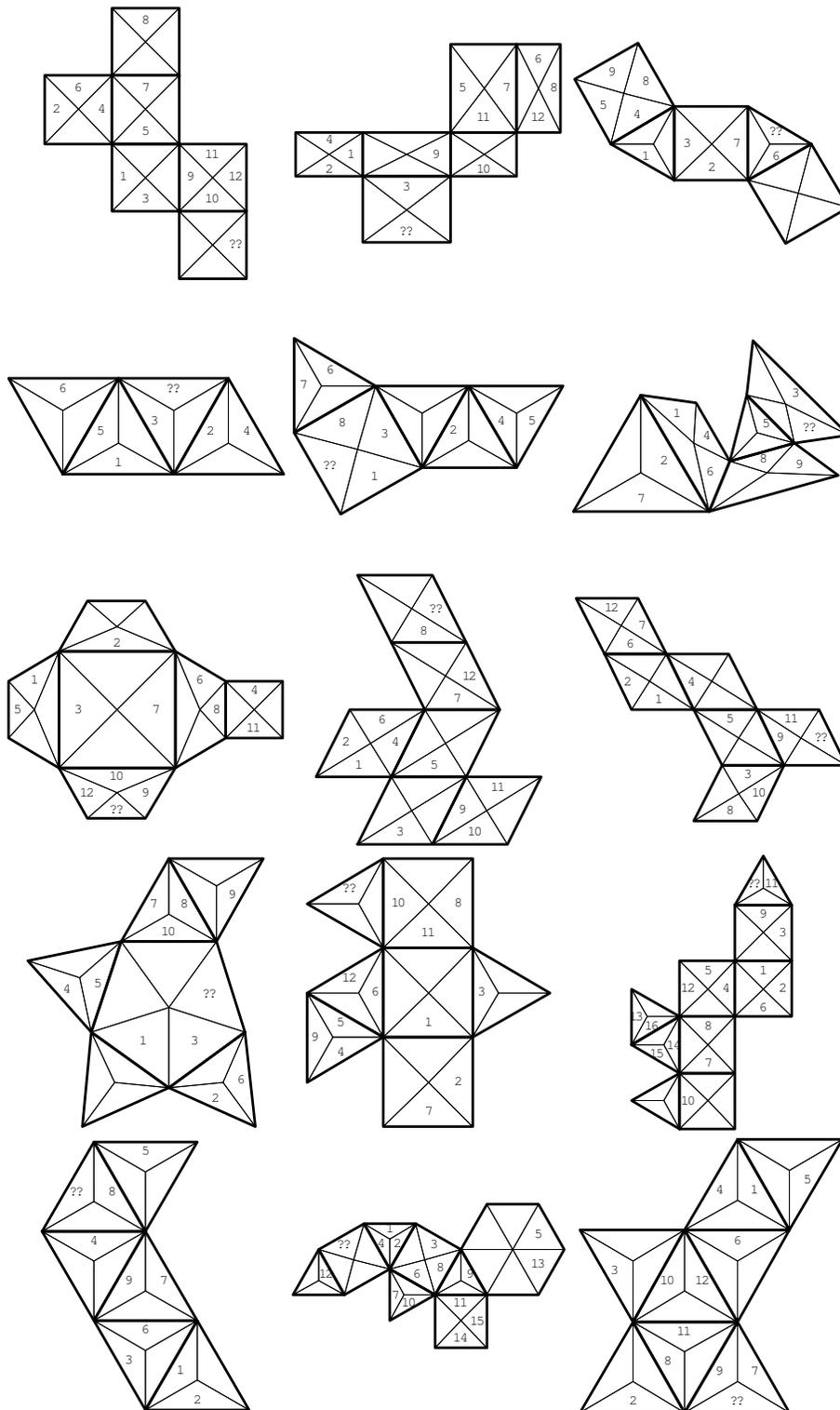


b)

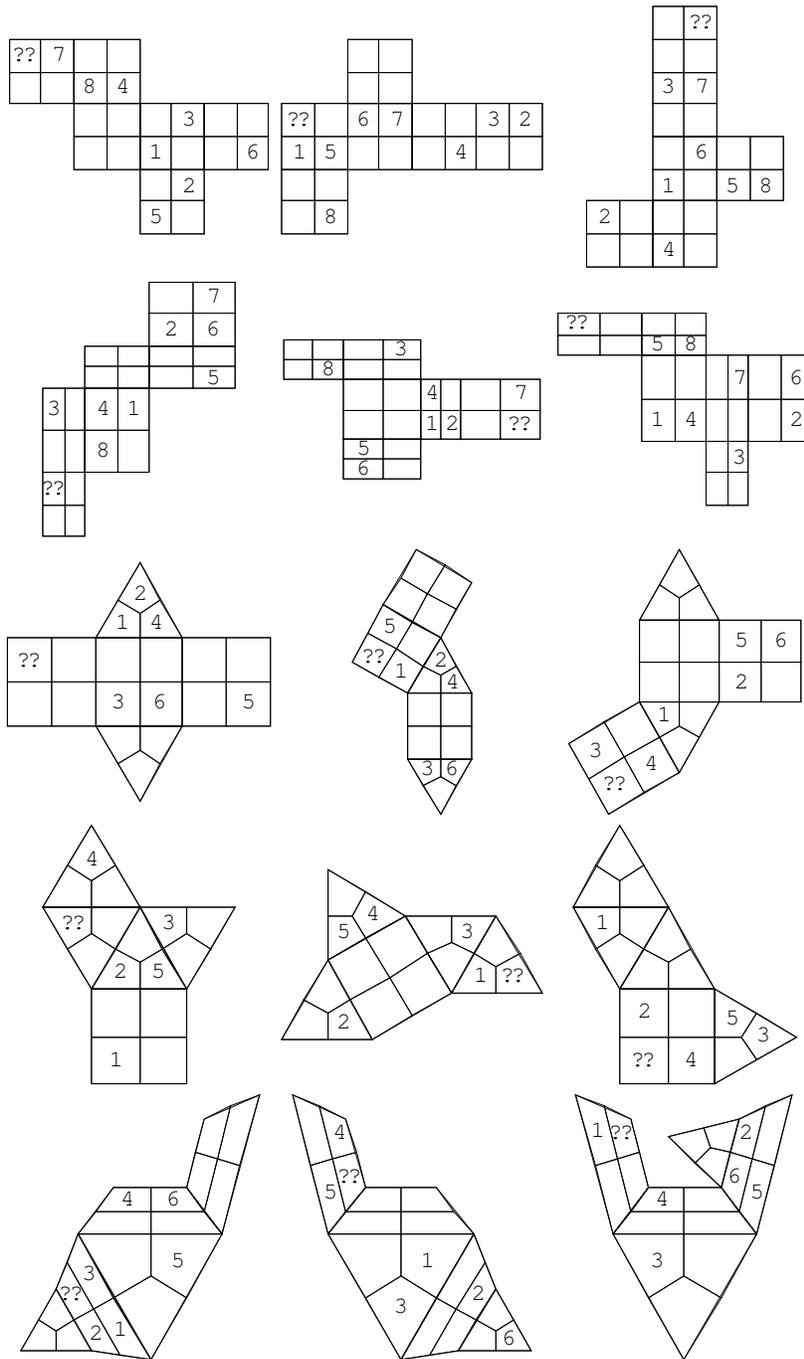


Prostorska predstavljivost

a) Katero število moramo vpisati na mesto znaka ??, da bosta stranici pripadali istemu robu poliedra?



b) Katero številko moramo vpisati na mesto znaka ??, da bosta oglišči pripadali istemu oglišču poliedra?

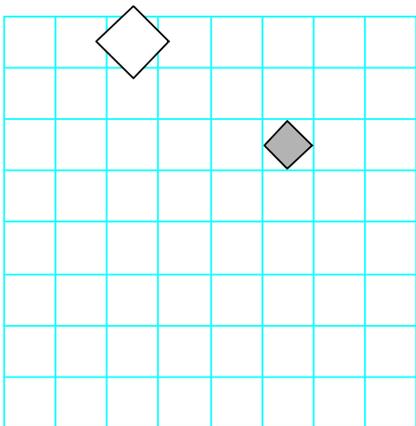


Imena likov

Dane so resničnostne vrednosti stavkov (R ali N). Poiskati je treba imena likov, ki so začetne črke v zaporedju A, B, C, D, E, ... Liki so treh oblik (trikotnik, kvadrat, petkotnik), treh velikosti (majhen, srednji, velik) in dveh barv (bel, siv).

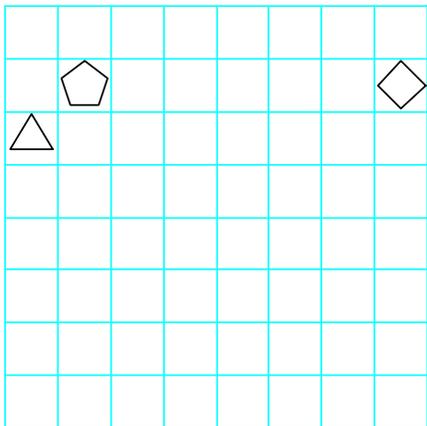
Poišči imena likov

1.



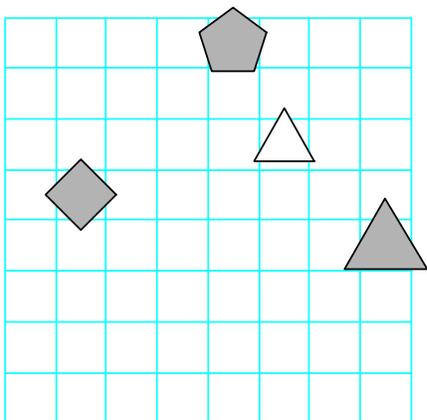
1. \neg Trikotnik (A) \Rightarrow \neg Siv (A)	R
--	---

2.



1. Bel (B) \vee Bel (B)	R
2. \neg Petkotnik (C) \vee Trikotnik (A)	N
3. Srednje (C) \wedge \neg Bel (C)	N

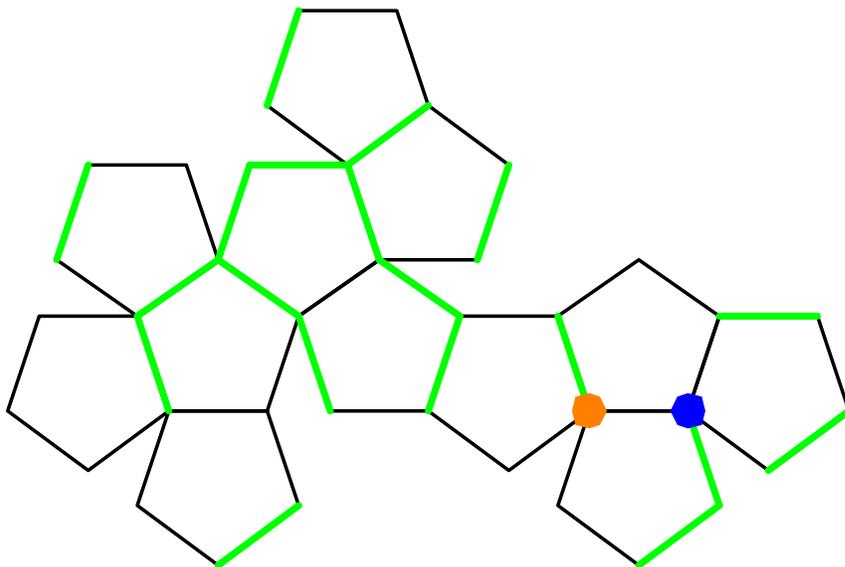
3.



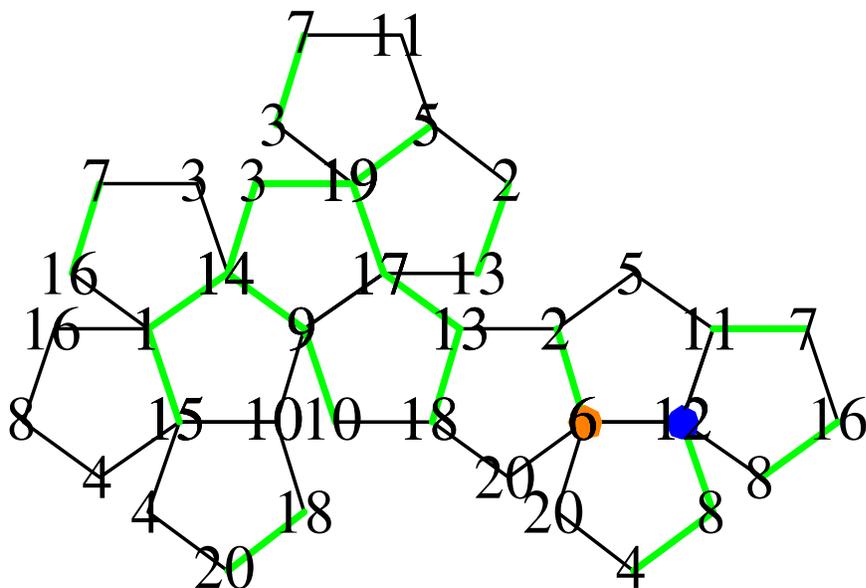
1. Kvadrat (C) \wedge \neg Petkotnik (D)	N
2. Kvadrat (D) \wedge \neg Srednje (A)	R
3. \neg Bel (B) \wedge \neg Siv (C)	N

Labirinti na robovih poliedra

V naslednjih nalogah moramo povezati dve oglišči poliedra, ki je podan z mrežo. Poiskati moramo pot od modre do oranžne točke. Iz ene točke lahko gremo do druge točke, če je med njima zelena črta ali pa točki predstavljata isto oglišče poliedra.



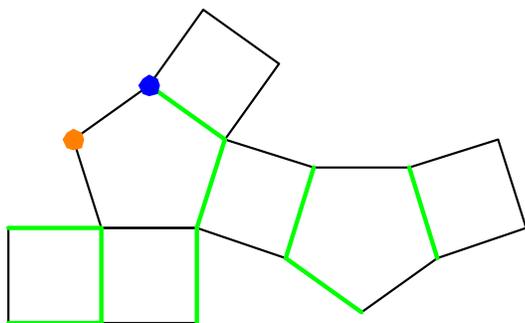
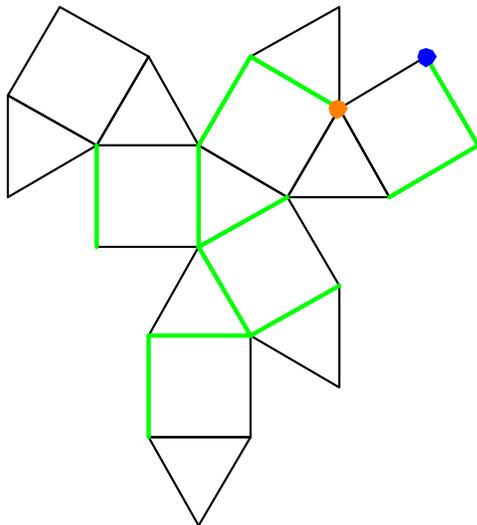
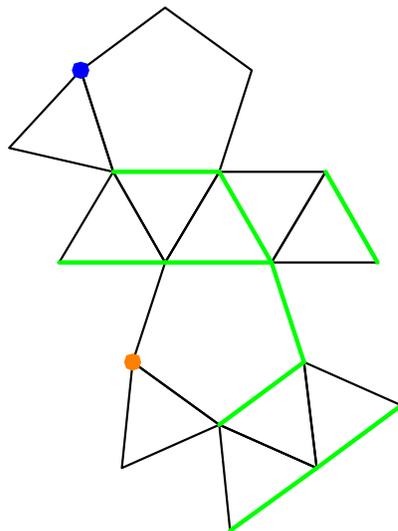
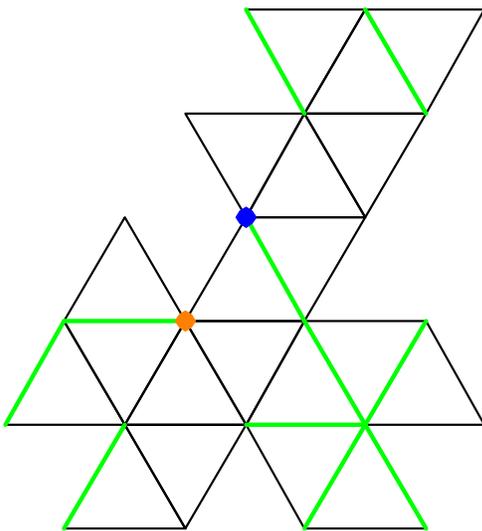
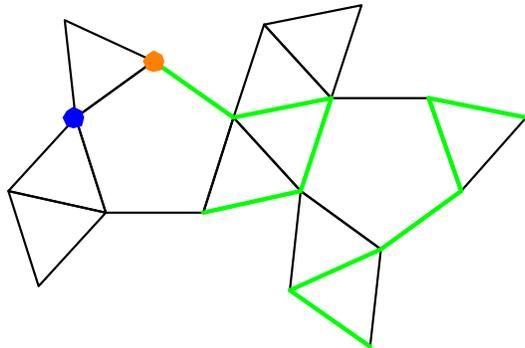
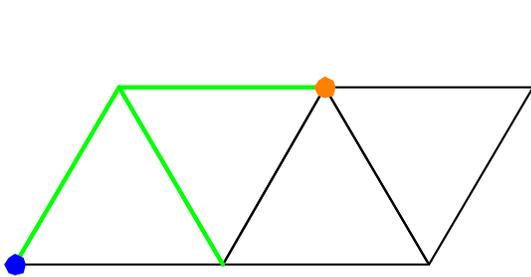
Označimo vse točke mreže z števili 1 do 20, kolikor imamo oglišč dvanajsterca. Vidimo, da se števila pojavljajo do trikrat. To so števila v točkah, kjer se stikajo trije petkotniki, nastopajo samo enkrat. Ko smo zaznamovali vse točke, lahko rešitev napišemo kot zaporedje obiskanih točk.



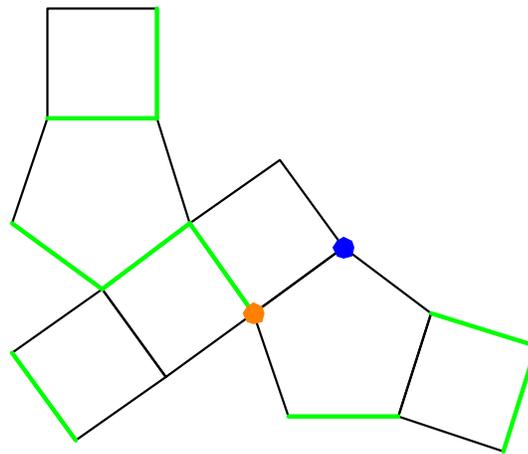
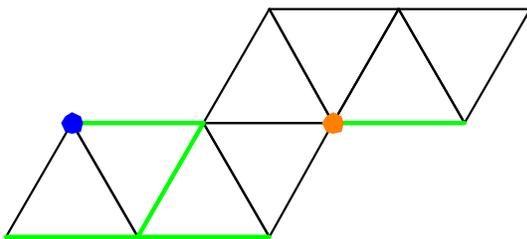
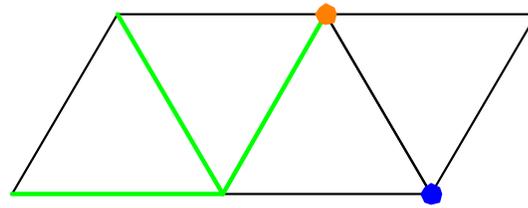
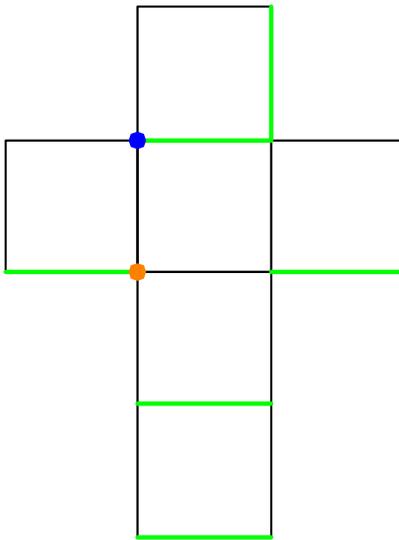
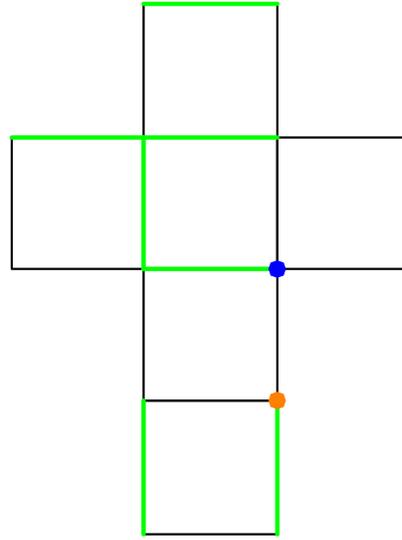
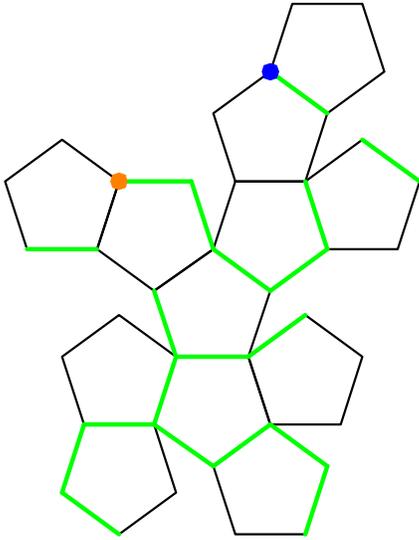
{12, 8, 16, 7, 3, 19, 17, 13, 2, 6}

Naloge:

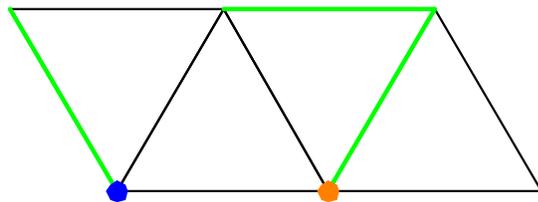
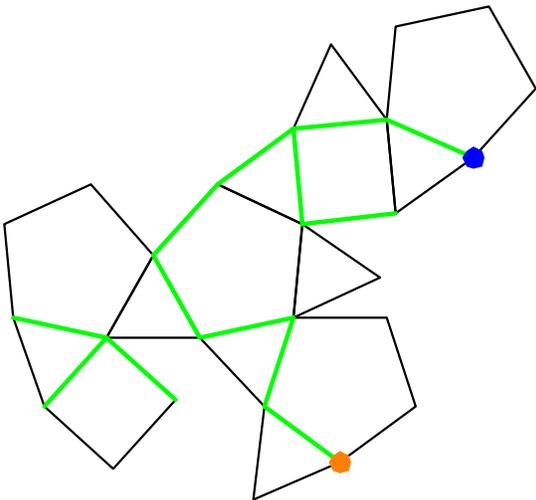
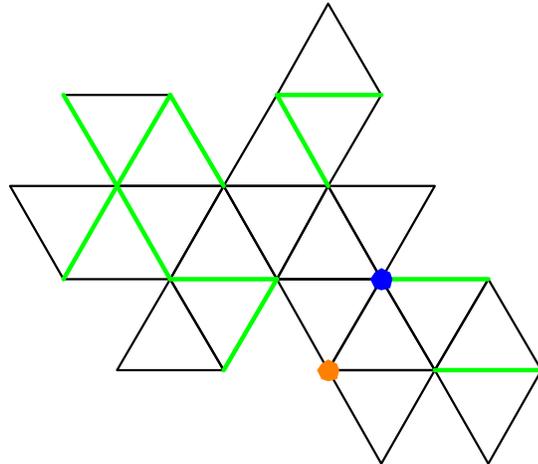
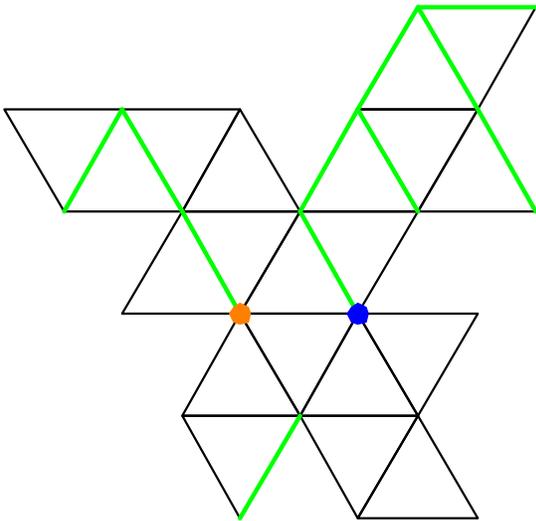
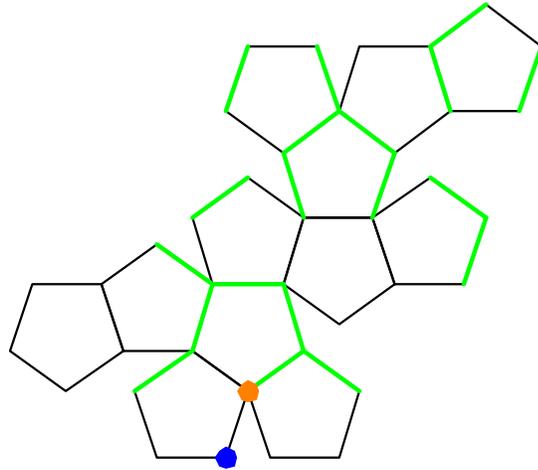
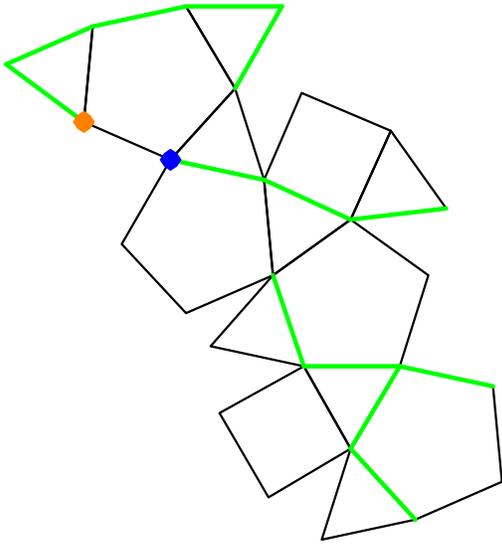
1.



2.

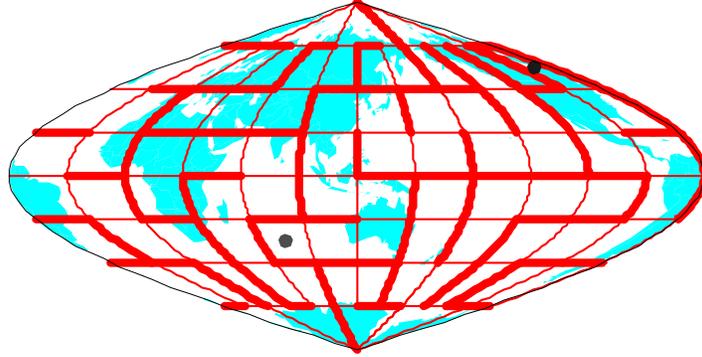


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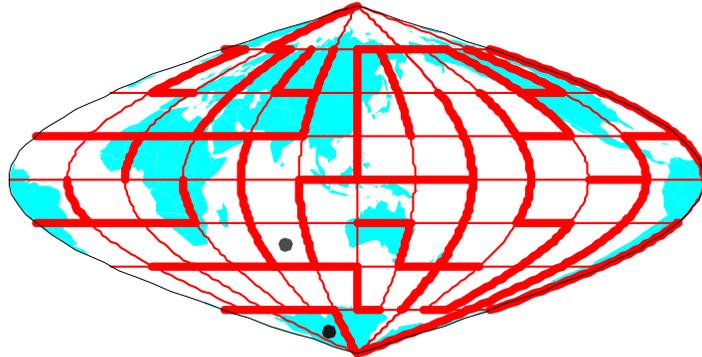


Labirinti na zemljevidu

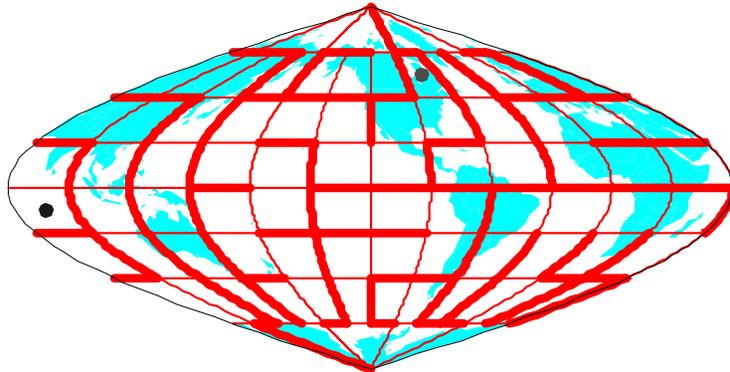
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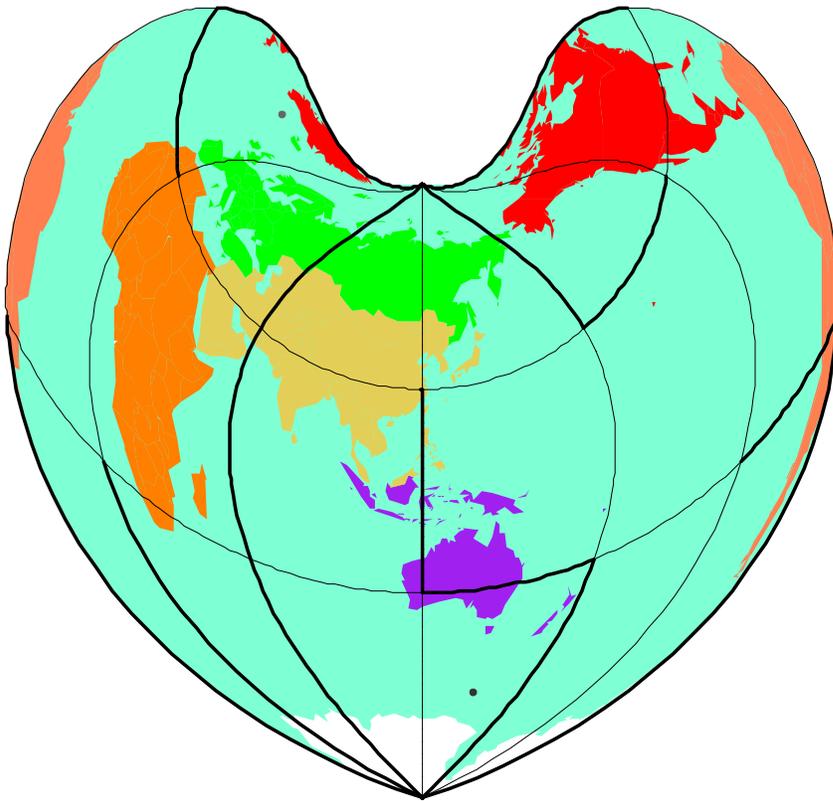
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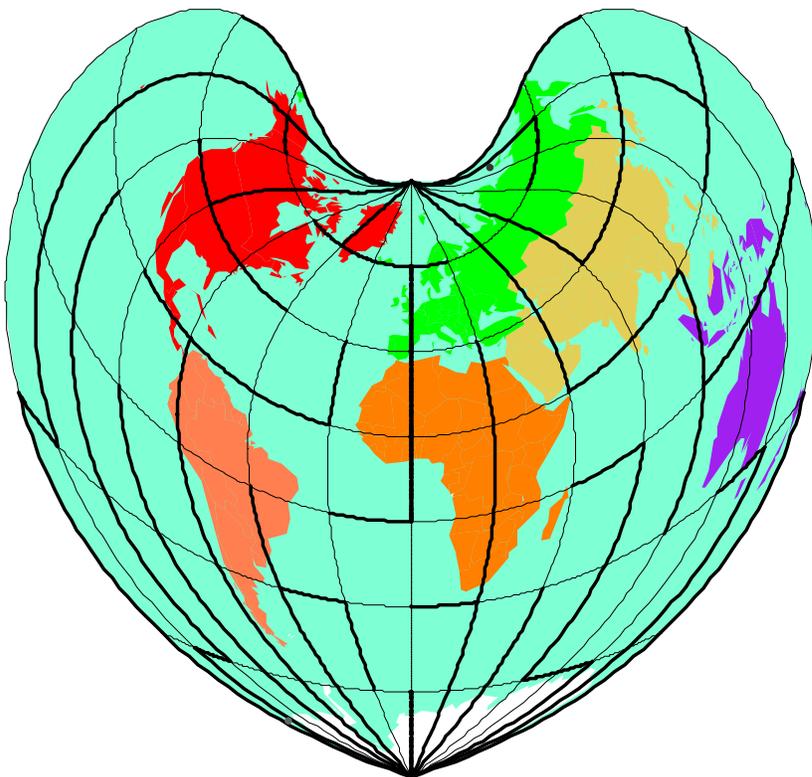
c)



d)

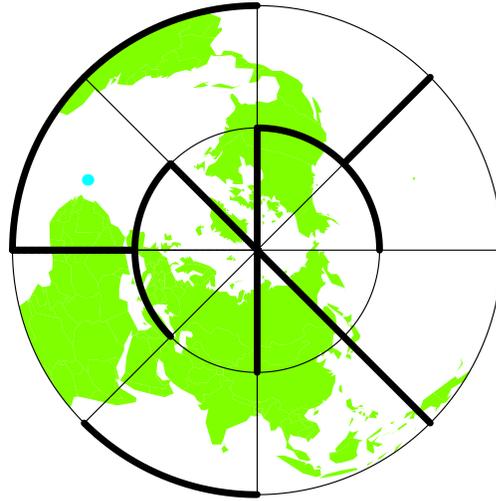
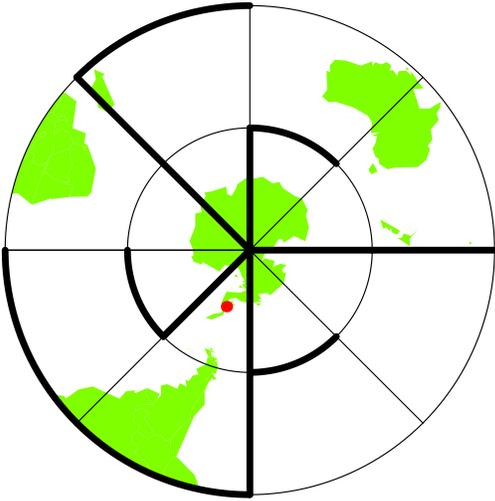


e)

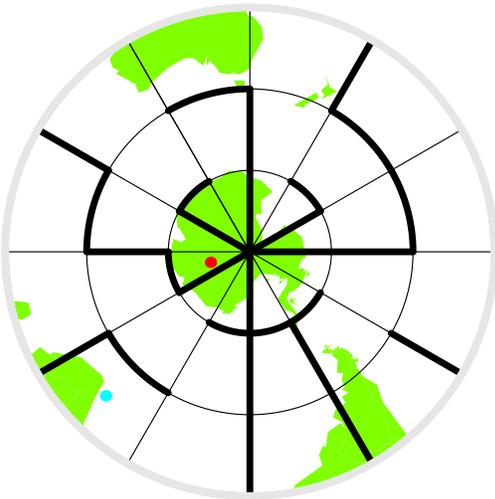


Večdelni labirinti na zemljevidu

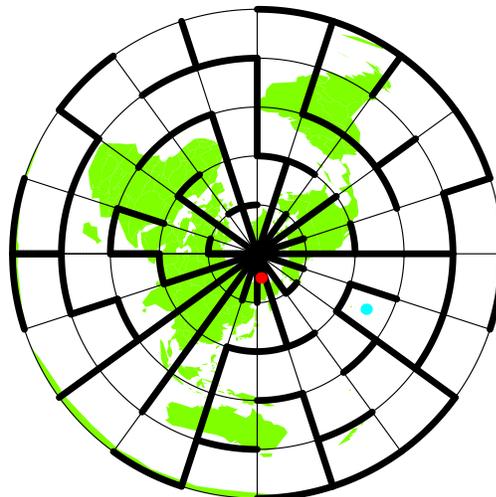
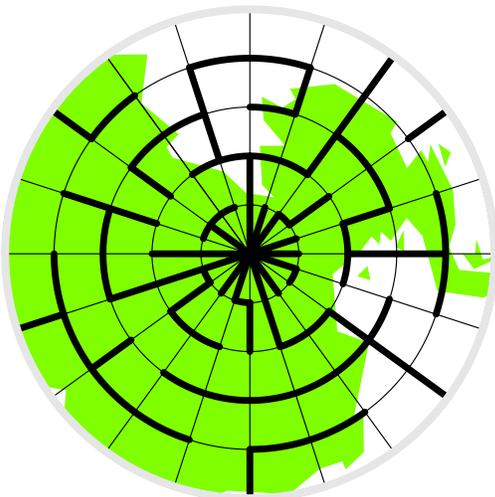
1.



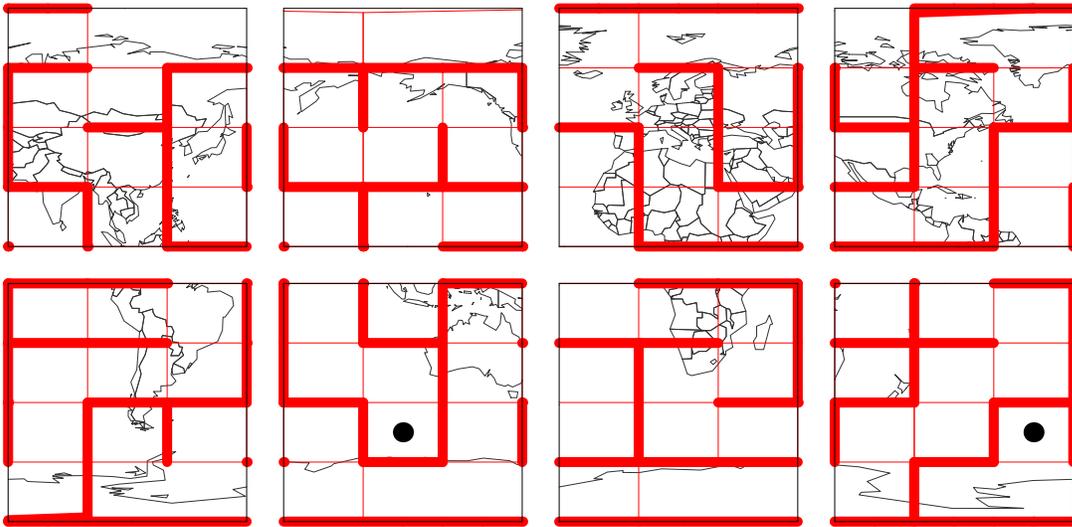
2.



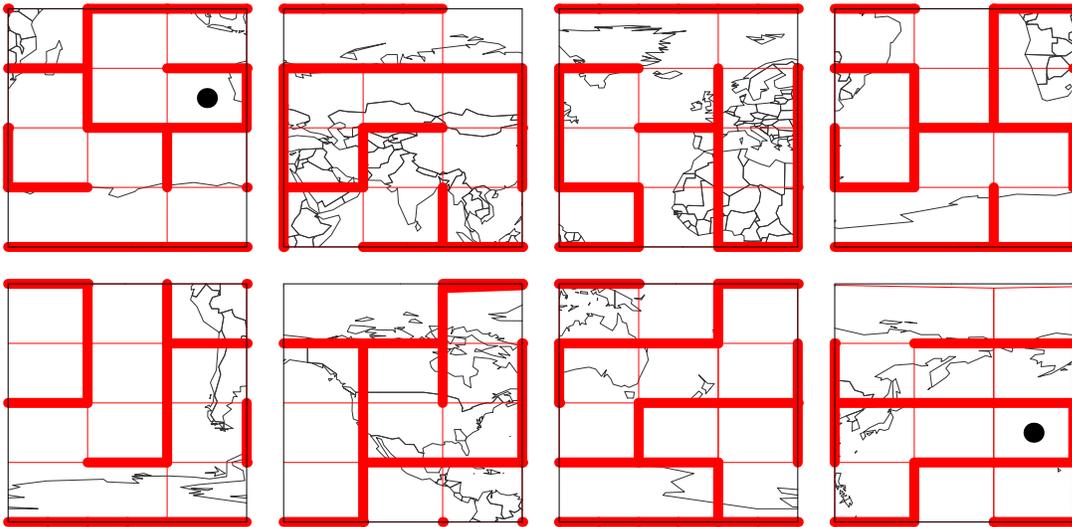
3.



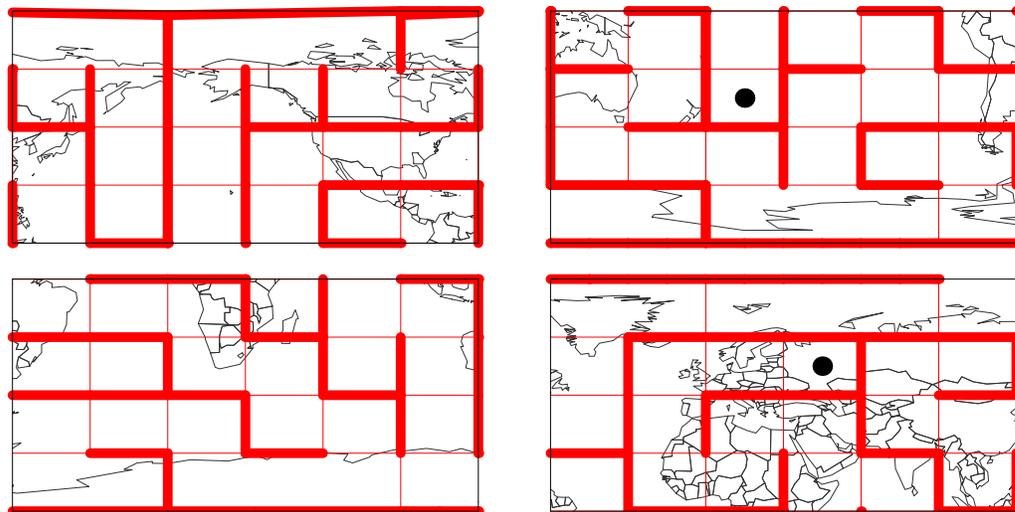
4.



5.

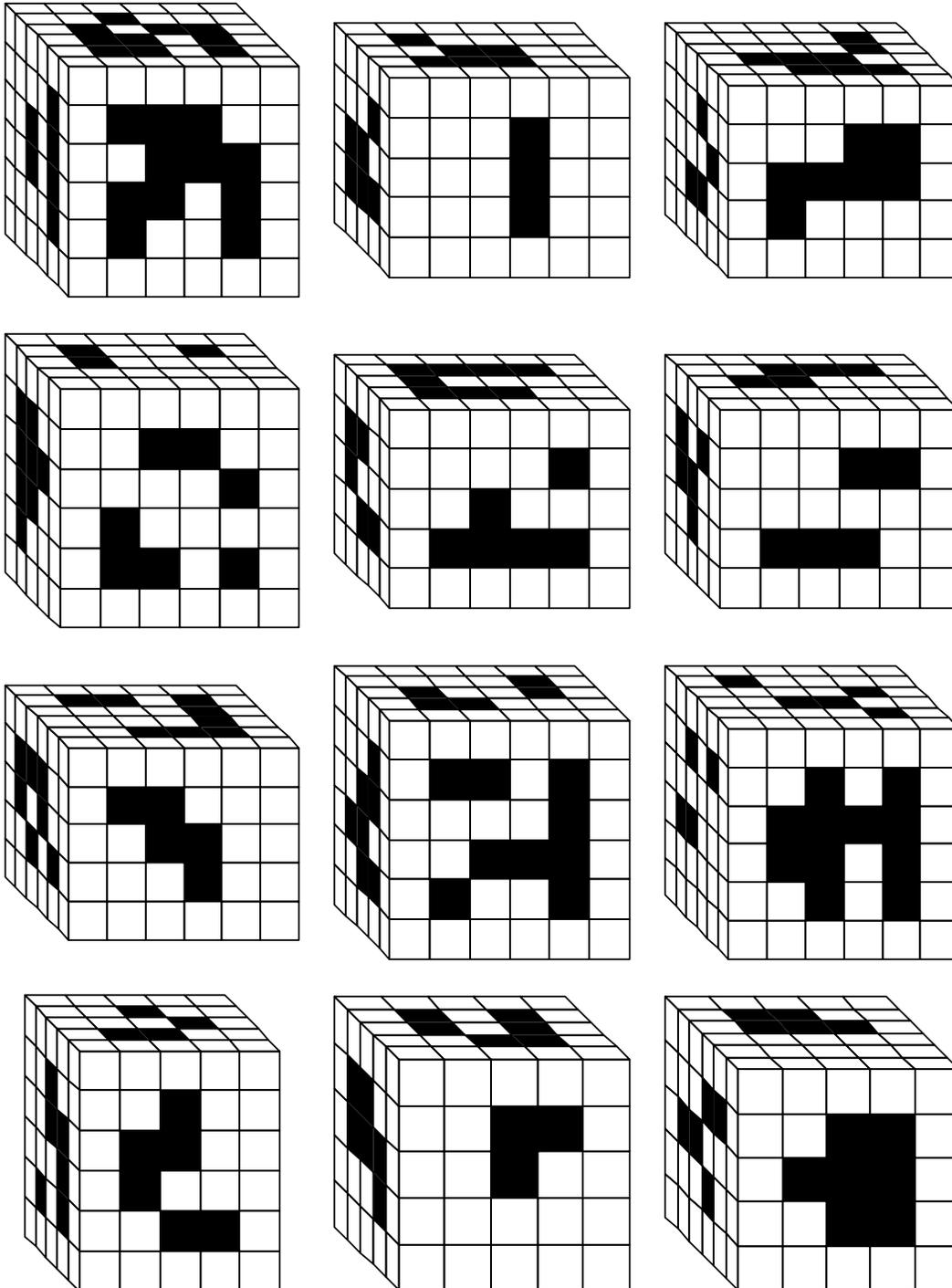


6.



Odstranjene kocke

Dan je kvader, ki sestoji iz kockic. Odstranimo vse kocke, ki so zaznamovane črno od vrha do dna, od leve do desne in od spredaj do zadaj. Koliko kock smo odstranili?



Nagradna logična naloga

Štirje prijatelji (Peter, Robert, Tone, Andrej) z različnimi priimki (Hribernik, Gorjanc, Hafner, Grilj) imajo različne poklice (kemik, mizar, pek, ekonomist).

Za vsakega ugotovi ime, priimek in poklic.

1. Andrej ni ne ekonomist ne pek.
2. Grilj ni ne pek ne mizar.
3. Peter se ne piše Gorjanc.
4. Peter ni mizar.
5. Tone ni mizar.
6. Gorjanc je po poklicu ekonomist.
7. Andrej ni mizar.
8. Hafner ni po poklicu mizar.

	Hribernik	Gorjanc	Hafner	Grilj	kemik	mizar	pek	ekonomist
Peter								
Robert								
Tone								
Andrej								
kemik								
mizar								
pek								
ekonomist								

ime	priimek	poklic
Peter		
Robert		
Tone		
Andrej		

Rešitev nagradne uganke pošljite do 15.1.2015 na naslov Logika d.o.o., Svetčeva pot 11, 1241 Kamnik, s pripisom »Nagradna uganaka«.

Naslednji reševalci nagradne uganke iz 1. številke bodo prejeli poševno prizmo:

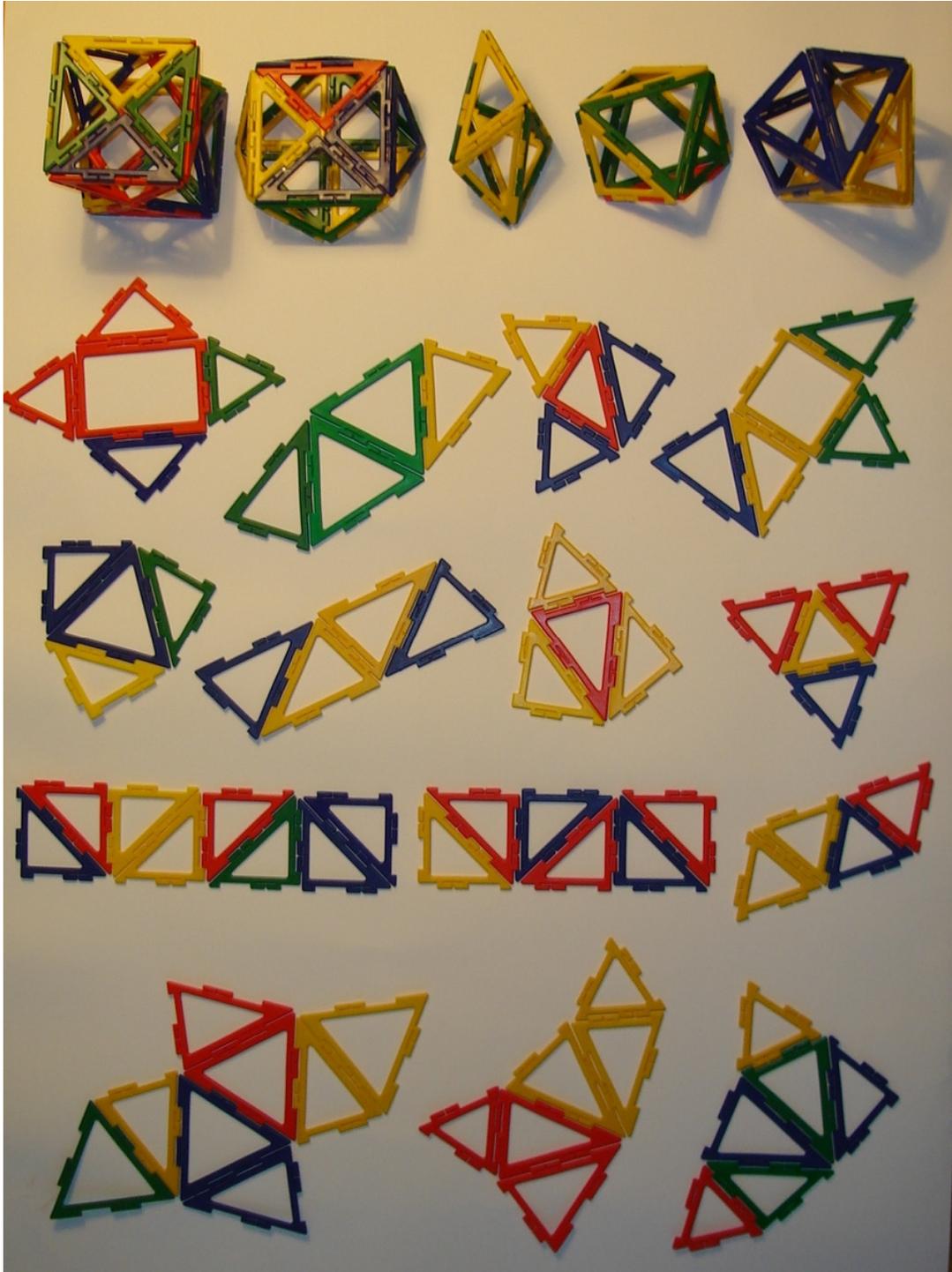
Julija K. Kresse, Laško; Andrej Pukšič, Radenci; Ines Gabor, Tišina; Miha Gorše Pihler, Sl. Bistrica; Mihaela Mar, Podgorci; Nejc Marolt, Poljane nad Škofjo Loko in Rebeka Dekleva, Ilirska Bistrica.

Razpis za najlepšo poliedrsko jelko

Pošljite fotografije svojih novoletnih jelk, okrašenih s poliedri do 15.1.2015.

Najleše jelke bomo objavili na strain: <http://www.logika.si/revija/poliedri.htm>

Modeli iz okvirjev Polydron



Spodnja vrstica prikazuje mreže, iz katerih lahko sestavimo dva različna poliedra. Od spodaj navzgor so slike konveksnih in drugih mrež. Zgoraj je primer infinitezimalno fleksibilnega poliedra, dveh poliedrov z dvema stabilnima ploskvama, telo iz osmih enakokrakih pravokotnih trikotnikov ter poliedrski približek za sferikon.

Rešitve

Barvni sudoku

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

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

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

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

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3	2	1	4

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3	2	4	1

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4	1	3	2
1	4	2	3

3	2	1	5	4
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1	4	5	2	3

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3	1	4	2

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3	4	1	2

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

Latinski kvadrati

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

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

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

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

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

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

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

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

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

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

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

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

Sudoku s črkami

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

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

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

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

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

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

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

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

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

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

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

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

Futoški

<p>1 < 2 3</p> <p>3 1 2</p> <p>2 3 > 1</p>	<p>1 2 < 3</p> <p>2 3 1</p> <p>3 > 1 2</p>	<p>2 4 < 5 1 3</p> <p>4 1 2 3 5</p> <p>3 < 5 4 2 > 1</p> <p>1 2 3 5 > 4</p> <p>5 3 1 4 2</p>
<p>3 2 4 1 5</p> <p>1 5 3 > 2 < 4</p> <p>2 3 < 5 4 1</p> <p>5 4 1 3 2</p> <p>4 > 1 2 5 3</p>	<p>2 1 < 3</p> <p>1 3 2</p> <p>3 2 > 1</p>	<p>4 3 1 2</p> <p>2 < 4 > 3 1</p> <p>1 2 < 4 3</p> <p>3 1 2 4</p>
<p>1 3 2 < 4</p> <p>3 1 4 2</p> <p>4 > 2 > 1 3</p> <p>2 4 3 1</p>	<p>3 4 2 1</p> <p>2 1 < 4 > 3</p> <p>4 > 3 1 2</p> <p>1 2 3 4</p>	<p>4 3 2 1</p> <p>1 2 < 3 4</p> <p>2 > 1 4 > 3</p> <p>3 4 1 2</p>
<p>4 2 5 1 3</p> <p>2 > 1 < 3 4 5</p> <p>5 4 > 2 < 3 1</p> <p>1 3 4 5 2</p> <p>3 5 1 2 4</p>	<p>5 2 4 1 3</p> <p>4 > 1 3 2 < 5</p> <p>1 3 2 5 4</p> <p>2 4 < 5 3 1</p> <p>3 5 1 4 > 2</p>	<p>1 2 3</p> <p>3 > 1 < 2</p> <p>2 3 1</p>

Rdeči kvadrati

	0	1	
			R
0	1	R	2
		1	

	1	R	1
1	2		
	R		1
1		2	R

1	1		0
R			
	2	2	R
	R	2	1

	3	R	2
R		R	2
2		1	
R			

		0	
1			1
	R	R	1
	2	2	

	0		0
			1
	R	R	1
	2	2	

1			
R		0	
		1	
	0		R

1	1		R
	R		1
R	2	1	
1	1		0

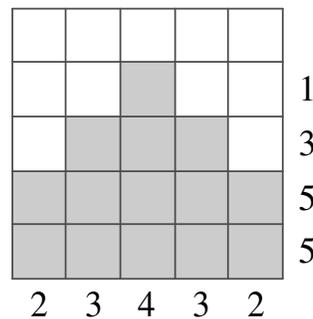
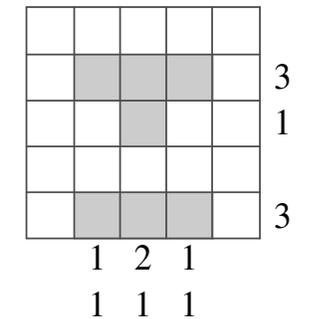
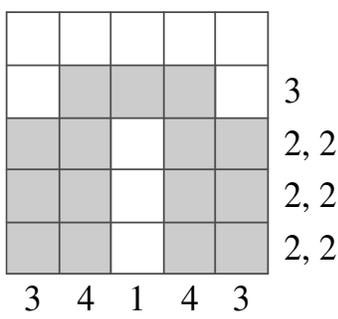
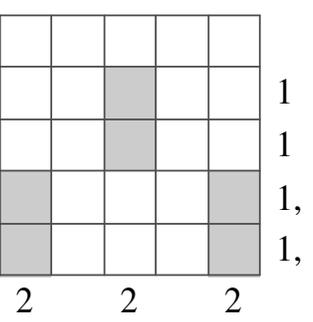
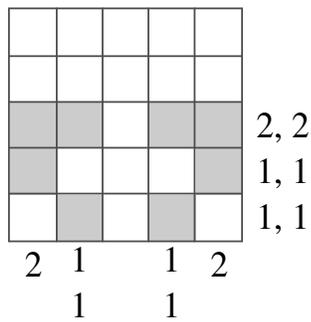
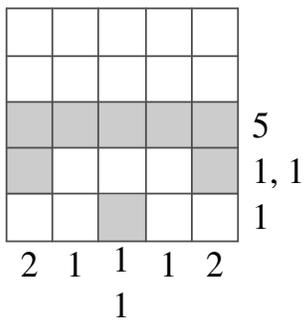
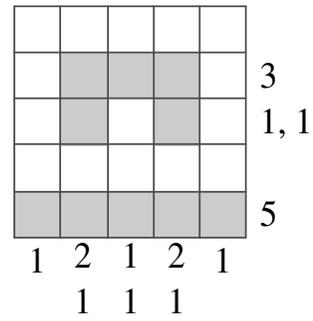
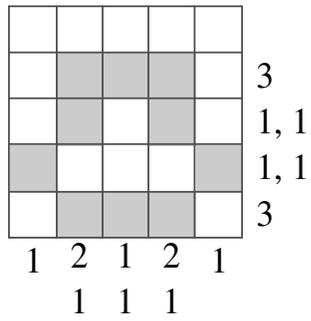
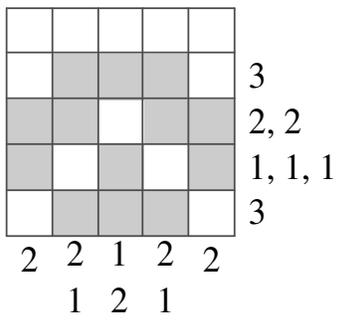
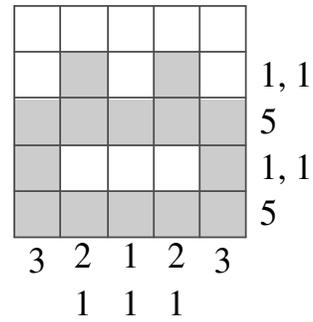
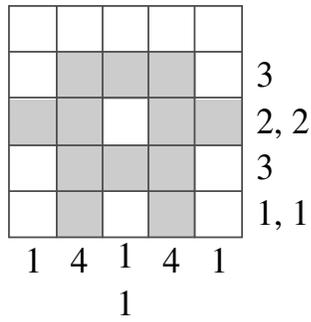
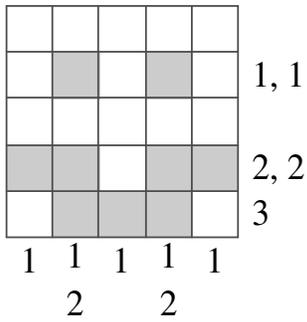
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		R	
			2
	0		R

R	1		0
2		0	
R			

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R			R
2	2		
1	R		0

1	R	R	
	2		2
	0	2	R
			R

Gobelini



Križne vsote

	17	11	
16	9	7	9
15	8	3	4
		6	1 5

	13	14							
6	4	2			3	13			
16	9	7	15		7	8	1	7	
		13	5	8	14	9	1	2	6
			16	7	5	4			
				11	9	2			

	8	18							
16	7	9				8	6		
8	1	7	12		9	5	3	2	
		11	2	9	4	11	2	5	4
				10	3	1	6		
					4	3	1		

	10	12			
6	1	5	10		
17	9	7	1	9	
			14	6	8
			4	3	1

	10	8							
14	9	5			6	10			
3	1	2	15		4	1	3		
		8	1	7	5	16	4	5	7
			18	8	1	9			
				12	4	8			

		3	13		
5	1	4	16		
15	2	9	4	9	
			7	3	4
			14	9	5

	17	15						
17	9	8			10	17		
9	8	1			14	6	8	
		10	6	4	13	1	4	9
			21	8	4	9		
				17	9	8		

	7	22							
11	6	5			6	10			
10	1	9			4	1	3		
		13	8	5	14	20	8	5	7
			24	9	8	7			
				7	6	1			

		5	13		
3	1	2	12		
13	4	6	3		
		14	5	9	

	13	12				
8	5	3	7			
20	8	9	3	14		
			7	4	3	3
				5	4	1
				9	7	2

	8	9			
3	2	1	20		
17	6	8	3	9	
			9	8	1
			17	9	8

	15	8			
12	7	5	23		
17	8	3	6	6	
			12	8	4
			11	9	2

Križni produkti

	45	14
63	9	7
10	5	2

	10	30		15	30	
45	5	9		15	3	5
14	2	7	40	5	4	2
24	8	4	36	72	9	8
18	6	3	105	5	3	7
20	4	5	54	9	6	
54	9	3	2			
56	8	7				

	36	20		8	60	
	4	5		2	9	
36	9	4	252	4	7	9
40	6	9	14	2	7	
40	5	8	70	7	2	5
24	8	3	36	4	9	
	7	5	3			
	4	6				

	21	10			
6	3	2	18		
105	7	5	3	189	
		6	9	10	
		6	3	2	
		35	7	5	

	32	8640		720	42
24	4	6	21	3	7
32	8	4	30	5	6
	8	5	4	40	
	9	2	6	8	
40	8	5	10	2	5

	14	304				
14	2	7		45	16	
56	7	8		72	9	8
	9	6	63	3	5	2
		7	9	5		
		63	7	9		

	35	20	36
180	5	4	9
140	7	5	4

	18	14		
21	3	7	90	
60	6	2	5	14
		3	7	
		12	6	2

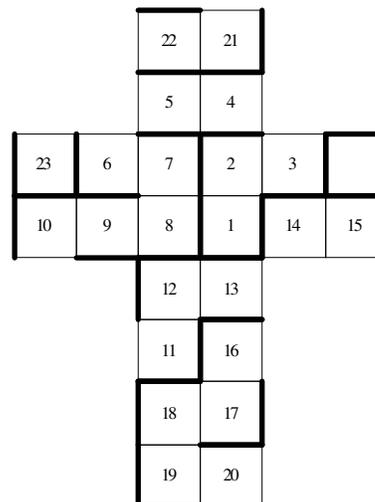
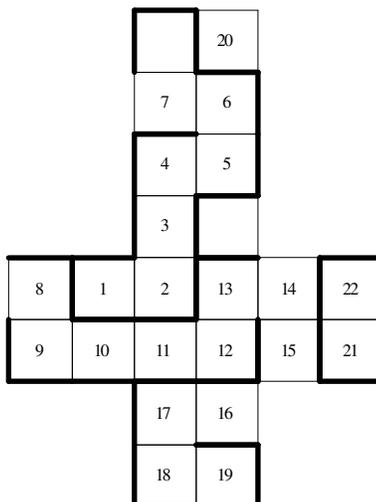
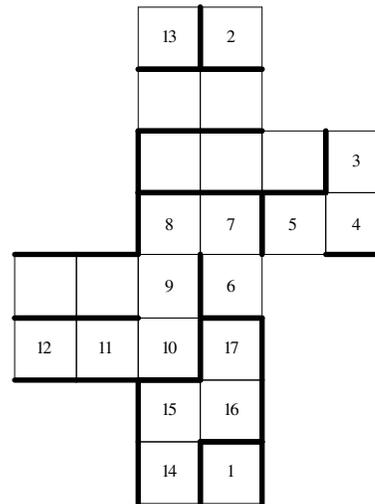
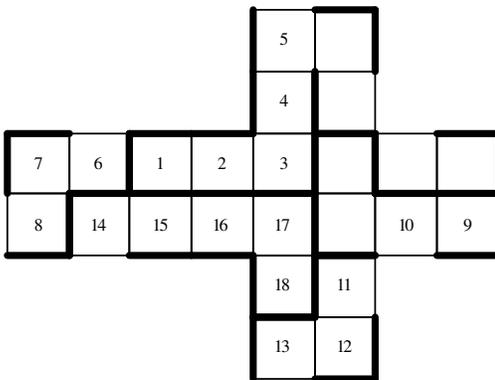
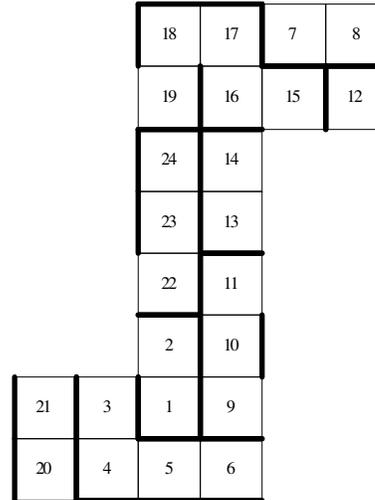
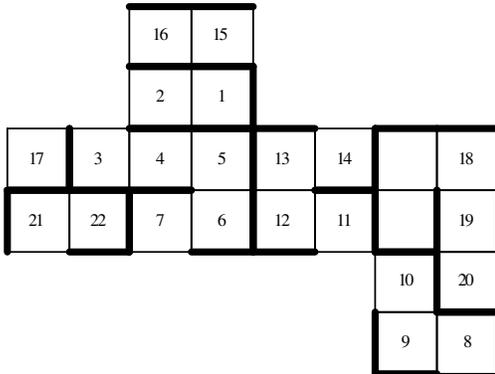
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27	9	3	144	
64	4	2	8	14
		3	2	
		42	6	7

	21	92	10	180	
42	7	6	2	9	24
12	3	4	5	4	8
63	8	9	5	5	3
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14	7	2			

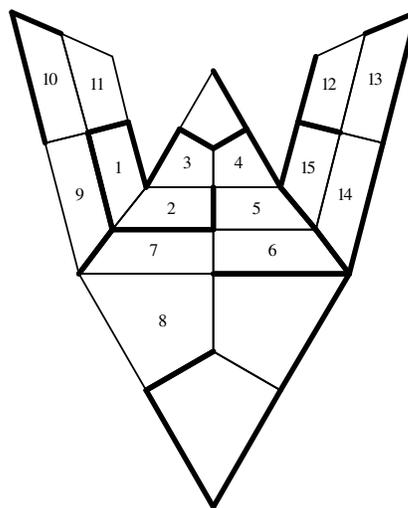
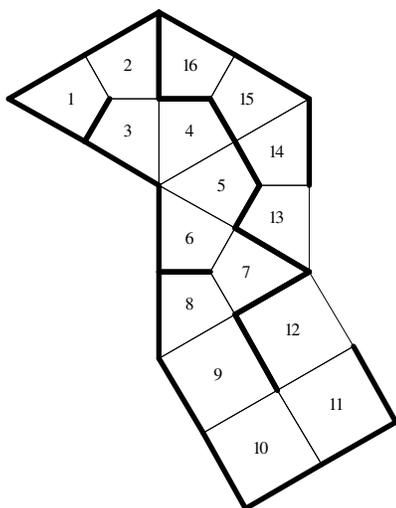
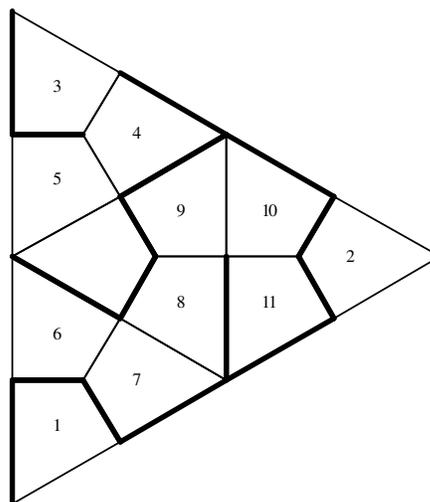
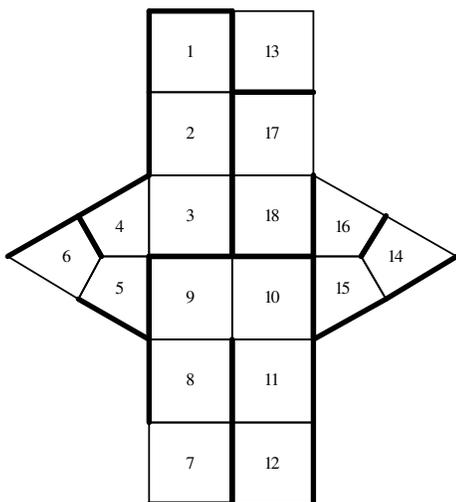
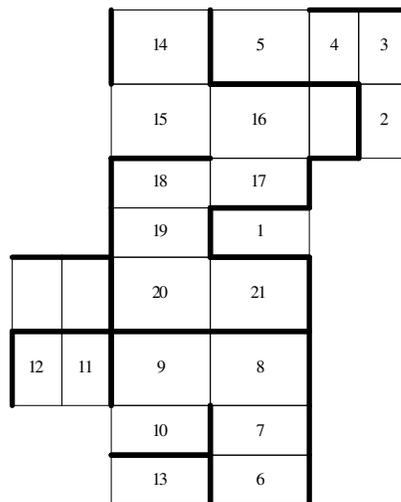
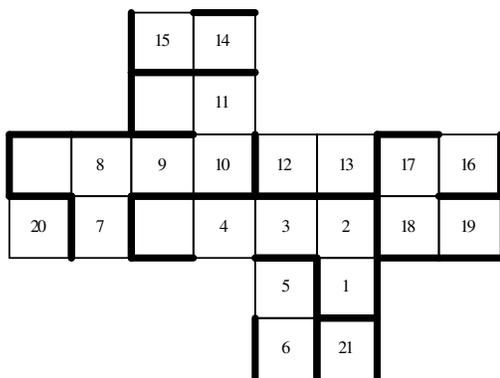
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	7	8	96	2	8	6
	4	2	9			
	3	8				

	48	18			
18	6	3			
144	8	6	3	40	
		30	6	5	63
		18	2	9	
		28	4	7	

Labirint na kocki

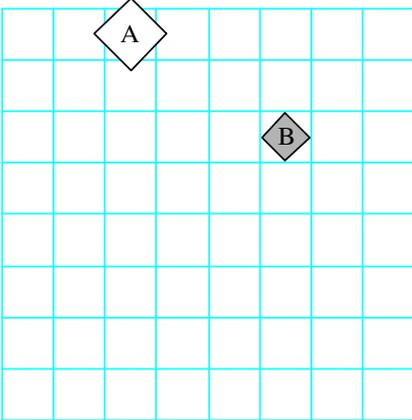


Labirinti na enostavnih poliedrih

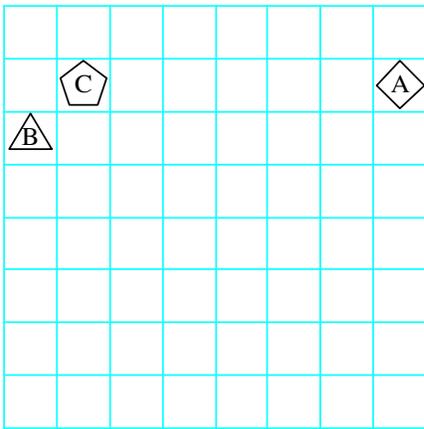


Imena likov

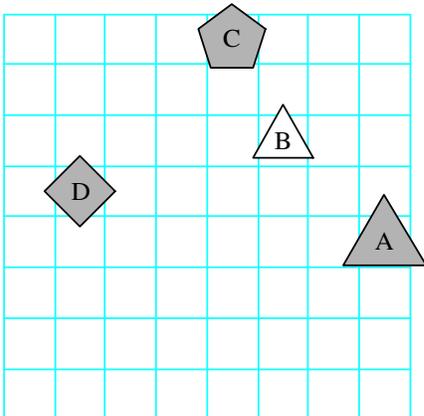
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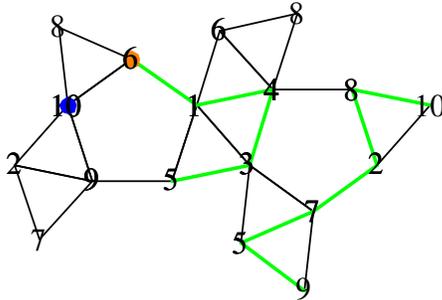
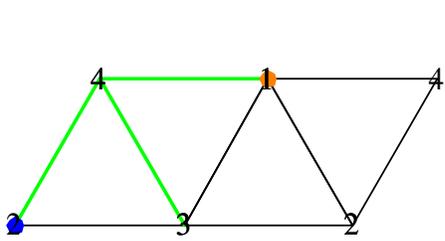
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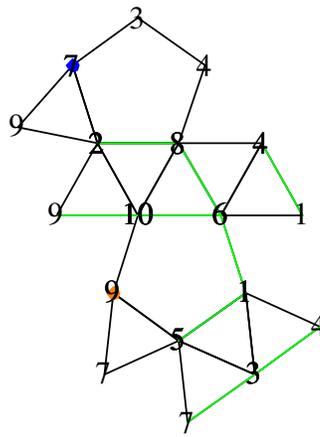
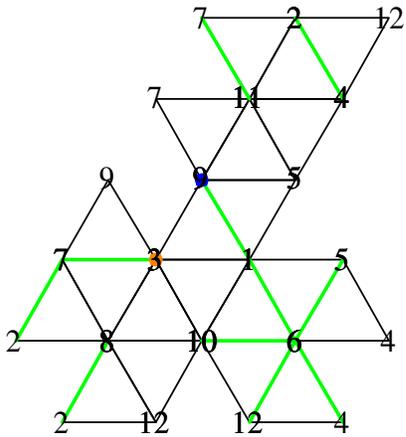


Labirinti na robovih poliedra



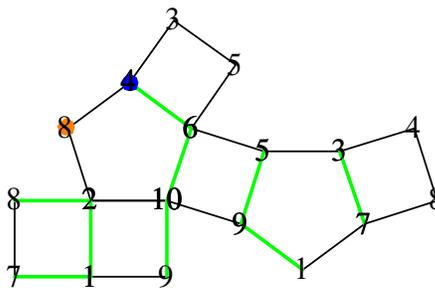
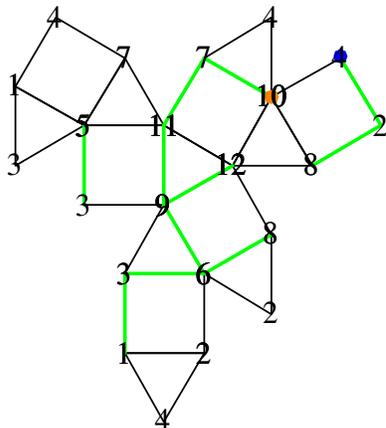
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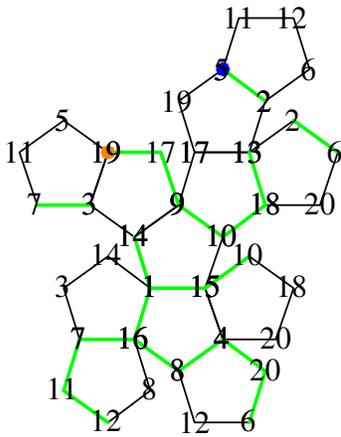
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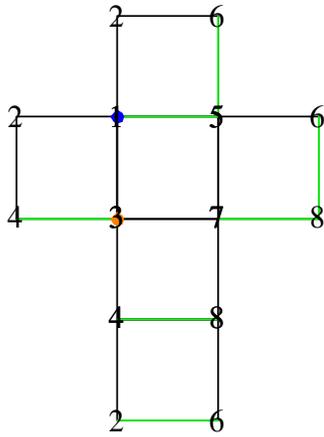
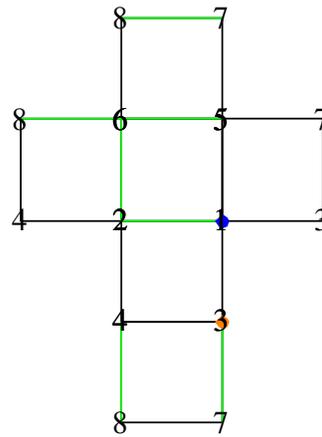
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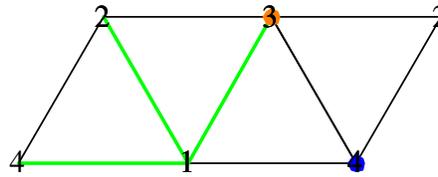
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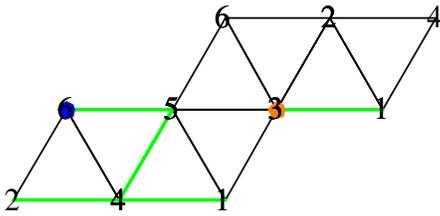
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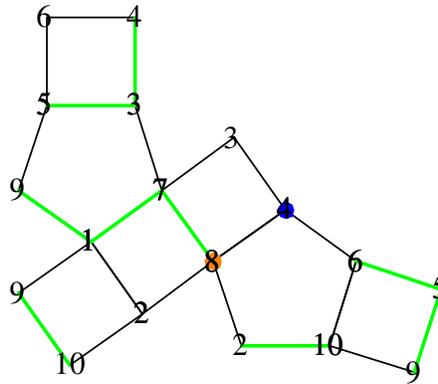
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{4, 1, 3}

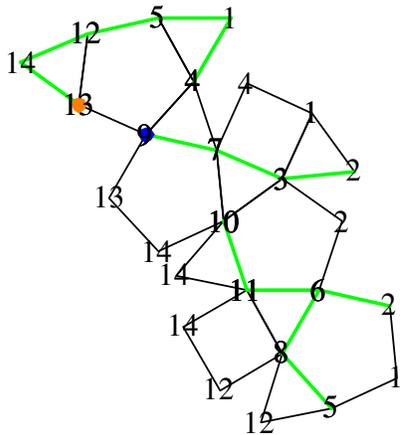


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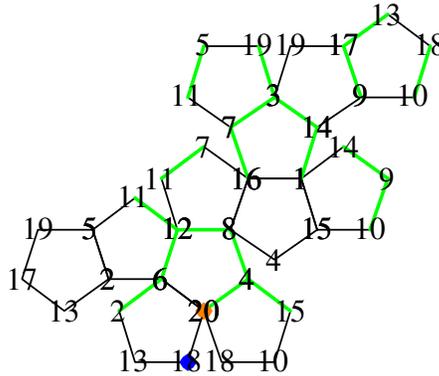


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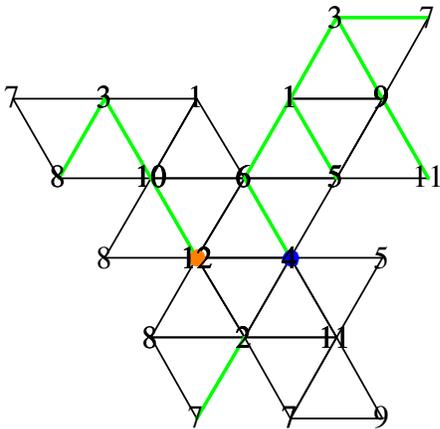
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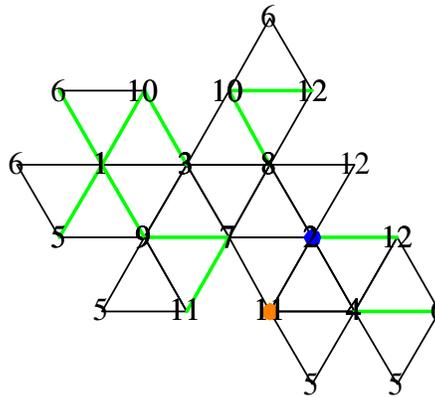
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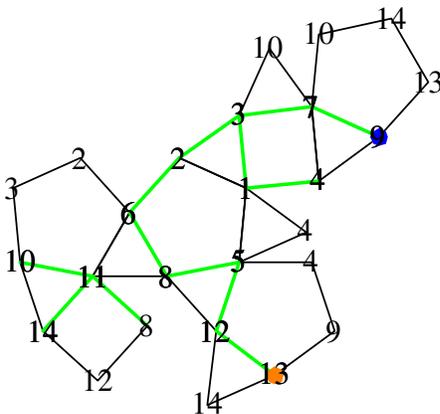
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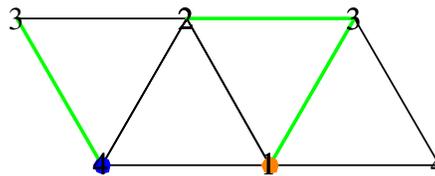
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{2, 12, 10, 1, 9, 7, 11}



{9, 7, 3, 2, 6, 8, 5, 12, 13}



{4, 3, 1}

Grupe

Sličice na drugi sliki moramo zaporedoma označiti:
 {13, 3, 5, 10, 1, 8, 15, 16, 9, 7, 4, 11, 17, 2, 12, 6, 14}

Linearne grupe:

- a) {1, 3, 4, 6, 7, 5, 2}, {5, 4, 3, 2, 1, 6, 7}
- b) {4, 5, 2, 3, 6, 1, 7}, {3, 1, 7, 4, 5, 6, 2}

Prostorska predstavljalivost

a)

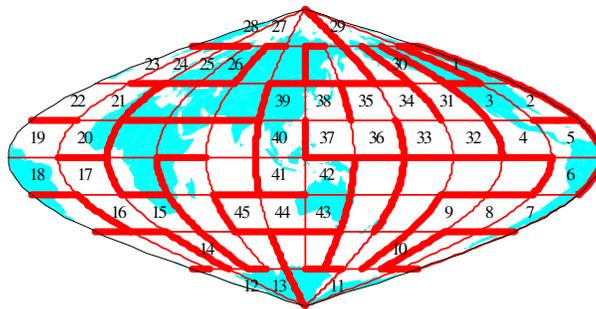
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1	8	8	9
2	6	5	9
3	11	10	12
4	9	9	13
5	2	5	5

b)

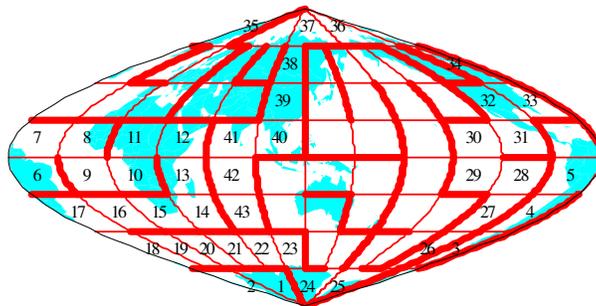
	1	2	3
1	6	2	8
2	7	6	2
3	2	3	6
4	1	2	1
5	4	6	2

Labirinti na zemljevidu

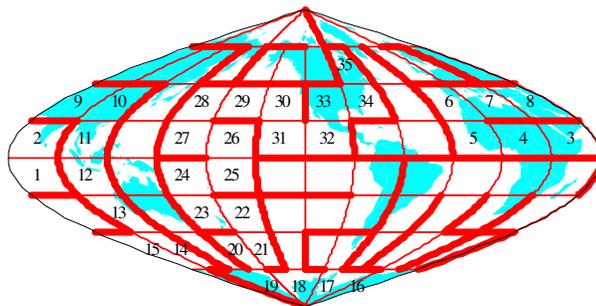
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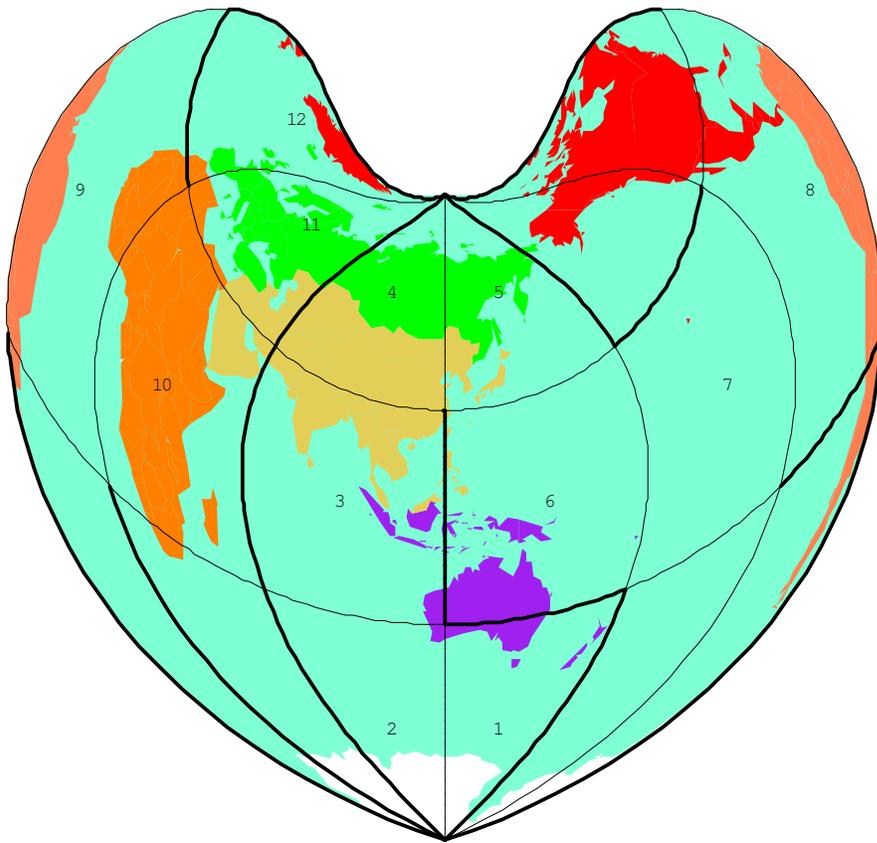
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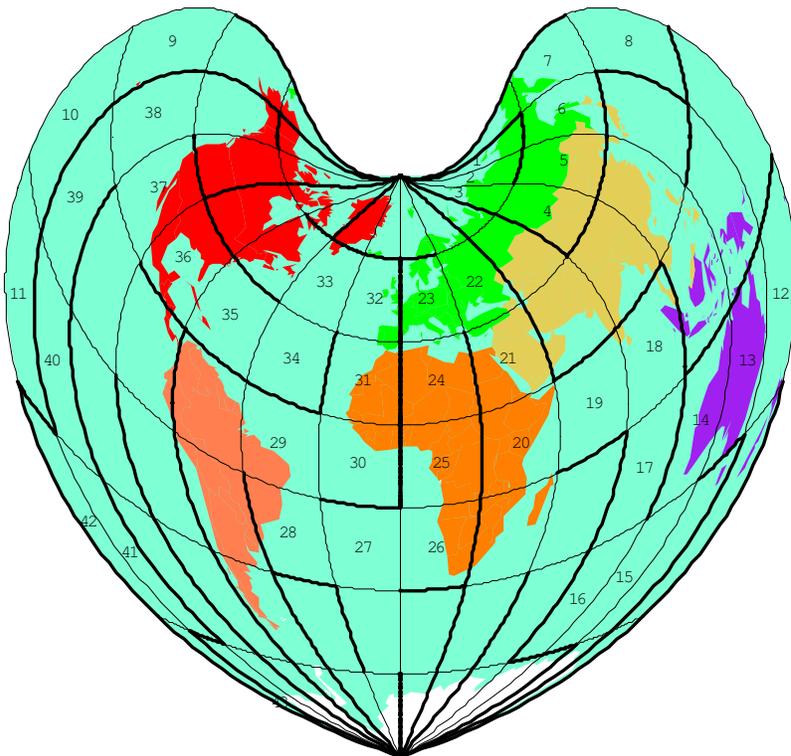
c)



d)

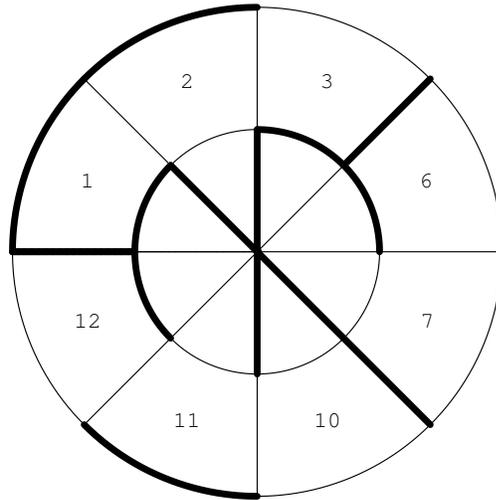
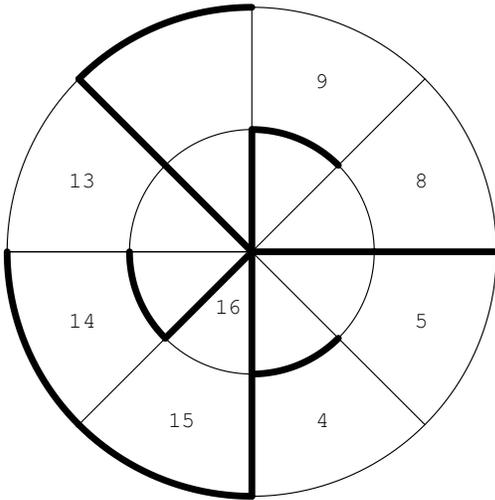


e)

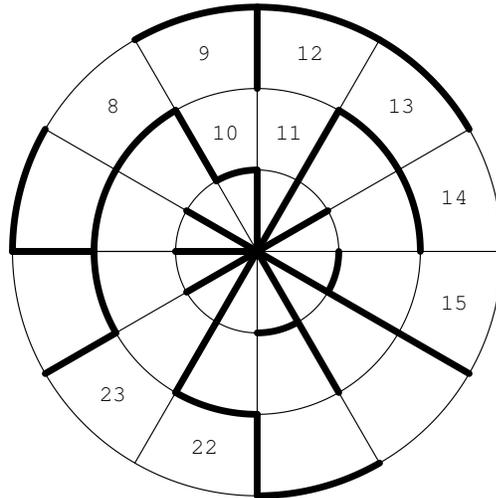
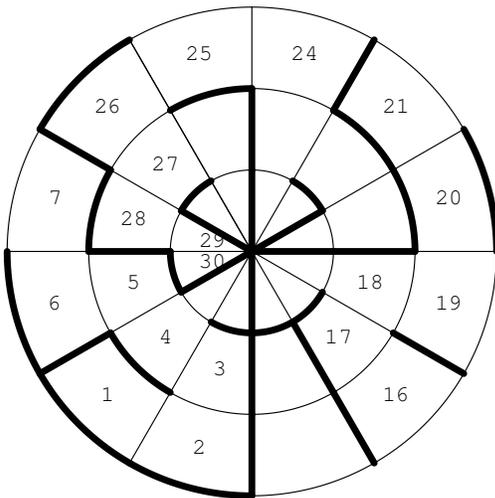


Večdelni labirinti na zemljevidu

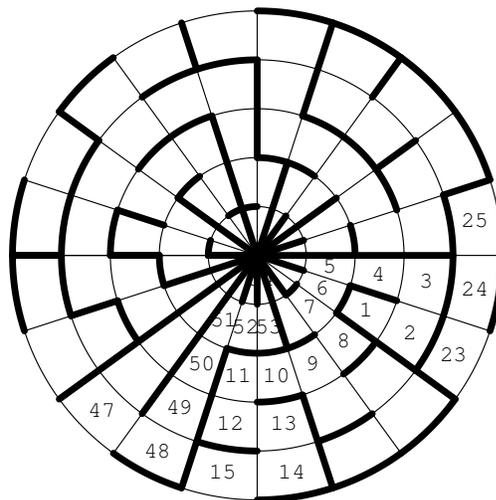
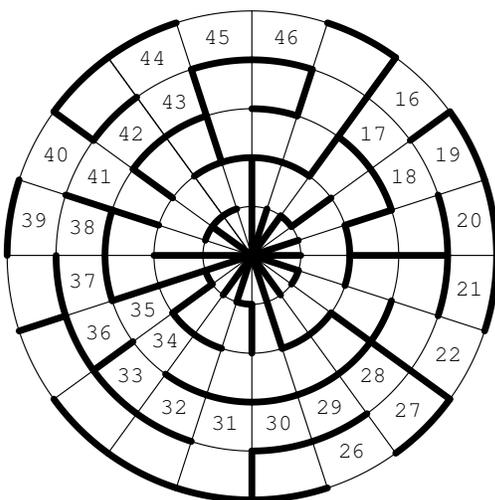
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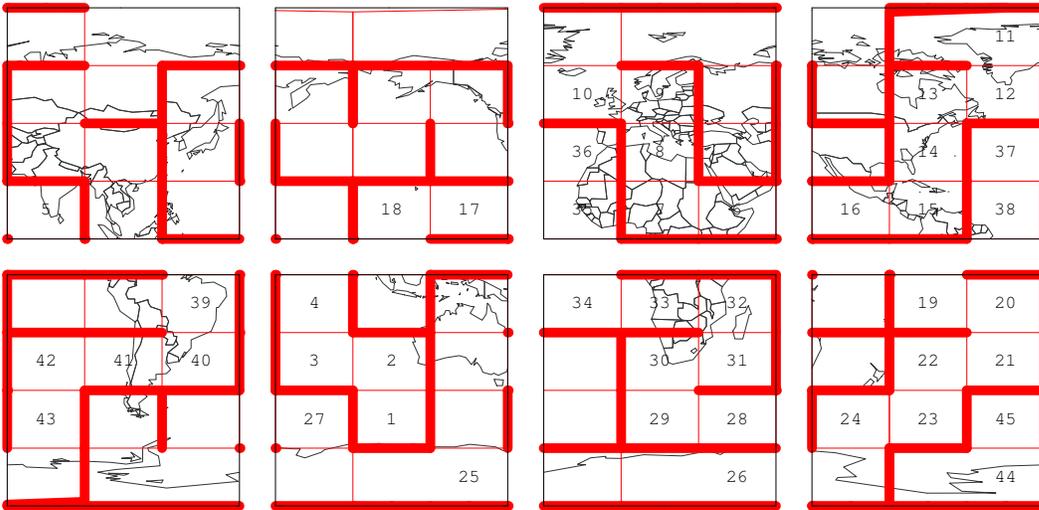
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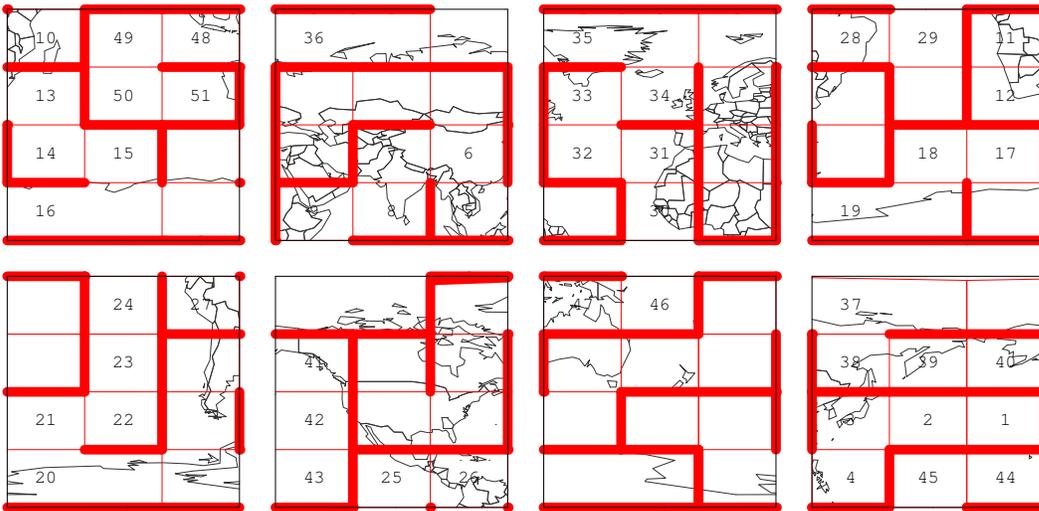
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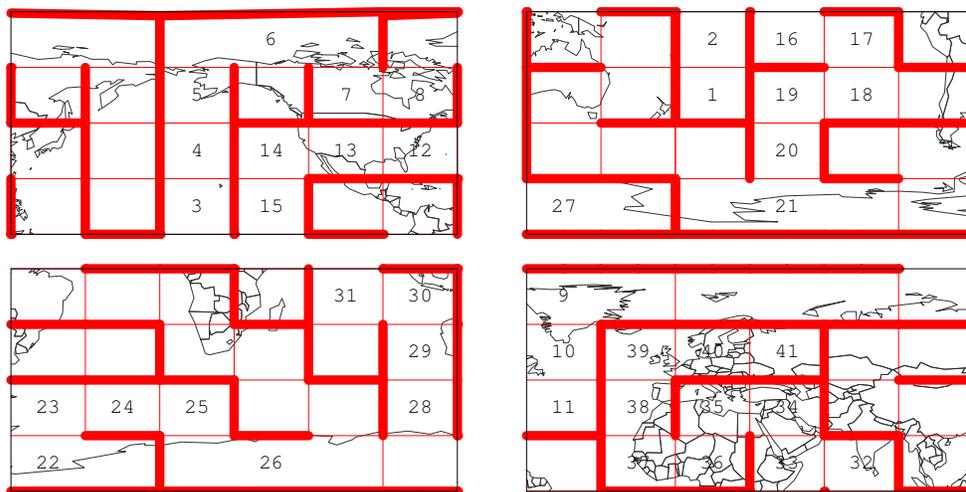
4.



5.



6.



Odstranjene kockice

111 61 79

77 71 61

84 83 95

61 54 69

Kocki določi mreži

2, 2, 4, 4, 3, 4

Izdaja: Založniško podjetje **LOGIKA d.o.o.**, Svetčeva pot 11, 1241 Kamnik. Poslovni račun pri NLB: 02312-0016592829. Davčna številka: SI56917309. Podjetje je zavezanec za DDV po zakonu o DDV. Za izdajatelja: *Izidor Hafner*.

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Spletna stran: <http://www.logika.si>.

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Sodelavci: *mag. Urša Demšar, dr. Gregor Dolinar, Monika Kavalir, dr. Meta Lah, Boštjan Kuzman, Teja Oblak, Hiacinta Pintar, Maja Pohar, mag. Katka Šenk in dr. Aleš Vavpetič.*

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Jezikovni pregled: *Besana*

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