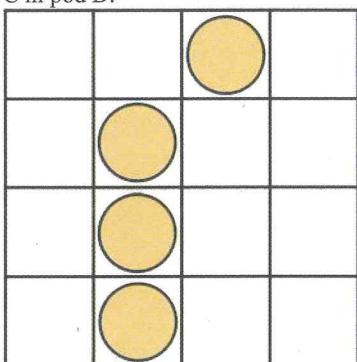


Črke v krogcih

A. V krogce vpiši začetne črke tako, da bodo vse izjave resnične. Rešitev je na strani 11.

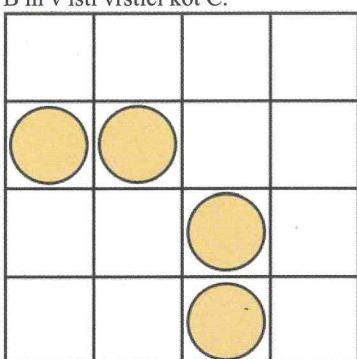
1.

- B ni desno od A.
- C ni v isti vrstici kot B.
- D ni v isti vrstici kot B.
- C ni pod D.



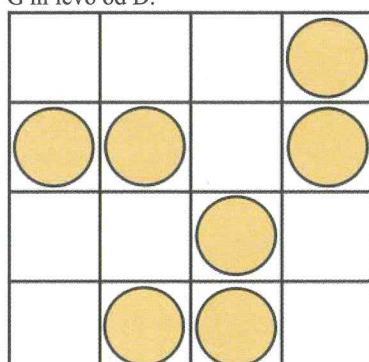
2.

- D ni pod A.
- C je pod D.
- D je levo od C.
- B ni desno od A.
- C ni nad D.
- B ni v isti vrstici kot C.



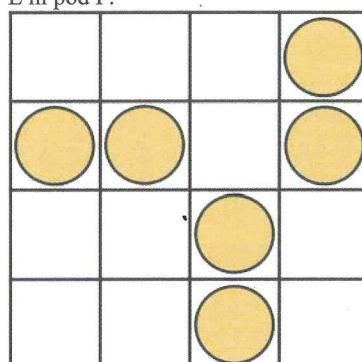
3.

- A je pod F.
- G ni v isti vrstici kot F.
- B ni desno od G.
- B je desno od D.
- F ni nad E.
- B ni levo od G.
- A ni v istem stolpcu kot G.
- G ni levo od D.



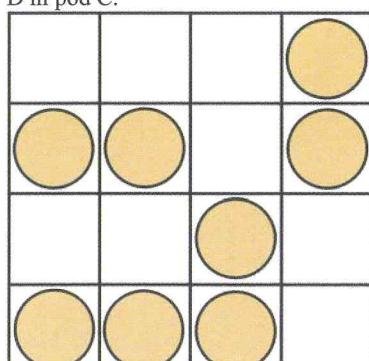
5.

- A ni desno od C.
- B je nad A.
- A ni v isti vrstici kot F.
- E je nad C.
- B ni desno od E.
- D ni v istem stolpcu kot C.
- A je desno od D.
- E ni pod F.



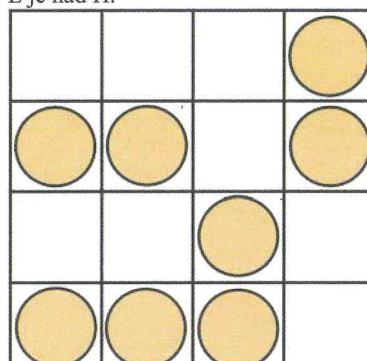
4.

- F ni nad B.
- C ni desno od E.
- A ni v istem stolpcu kot G.
- E je desno od H.
- H je pod C.
- G ni v isti vrstici kot E.
- G ni levo od D.
- B je levo od C.
- D je nad H.
- A ni nad F.
- D ni pod C.



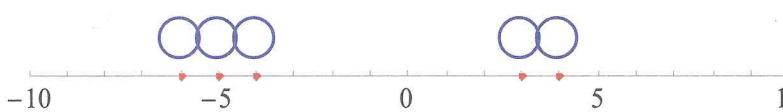
6.

- E je nad H.
- B ni desno od C.
- G ni v istem stolpcu kot C.
- D ni desno od B.
- E ni pod D.
- C ni v isti vrstici kot B.
- H je levo od E.
- F je nad H.
- A ni nad E.
- D je pod E.
- E je nad H.



B. V krogce vpiši črke tako, da bodo stavki imeli vrednost, ki je prikazana na desni strani slike.

1.



$ c - b \geq e$	1
$\neg d < e < a$	1
$ d - c \geq a$	0
$ b - e \geq c$	1
$10 \neg a < c < d$	1
$ b - e \geq c$	1
$\neg b < a < e$	1

2.



$e \geq a$	0
$b \leq d + 2$	0
$e \geq b$	0
$ b - d \geq 3$	1
$ d - c \geq 3$	0
$b \leq a + 2$	0
$ a - c \geq 3$	0

3.



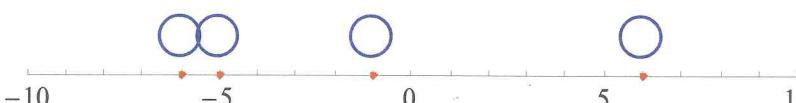
$a > b + 2$	1
$ a - d \geq 3$	0
$ a - b \geq 3$	1
$a < d$	0
$ c - b \geq 3$	1
$c < a$	1

4.



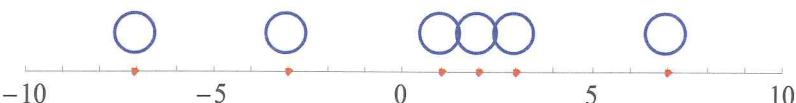
$b < c < e$	1
$\neg b < e < d$	0
$ a - e < d$	1
$ b - c < f$	0
$ e - c < a$	0
$ d - f < a$	0
$ f - e < d$	1
$\neg e < d < f$	1

5.



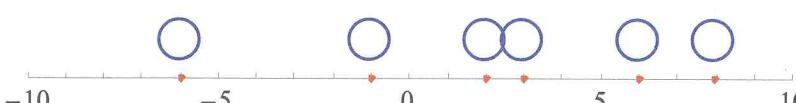
$b \geq a$	0
$c > a + 2$	1
$ d - b \geq 3$	0
$ c - d < 3$	0
$b < c$	1
$ d - a \geq 3$	1

6.

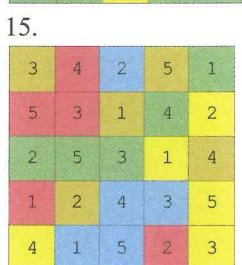
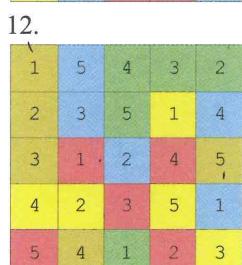
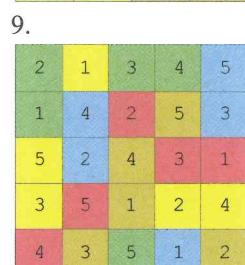
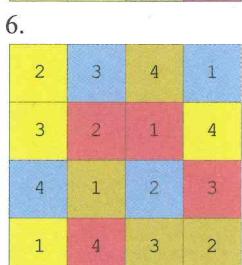
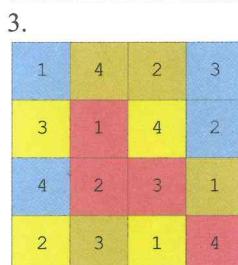
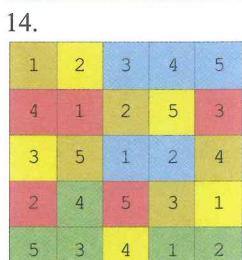
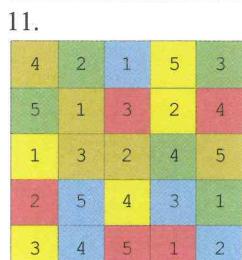
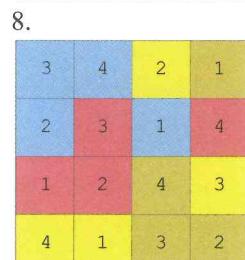
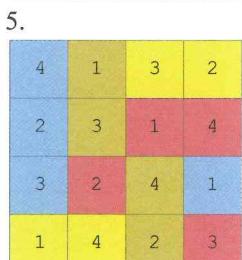
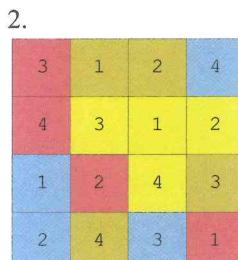
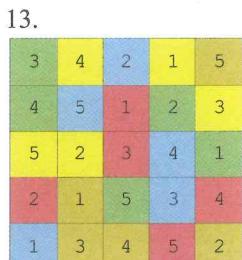
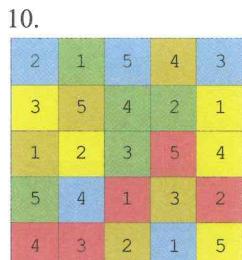
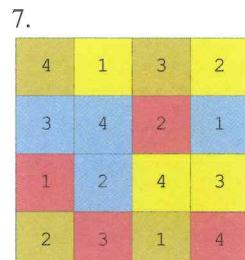
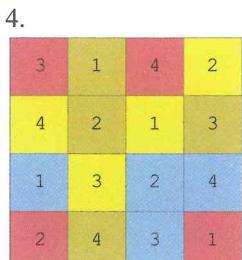
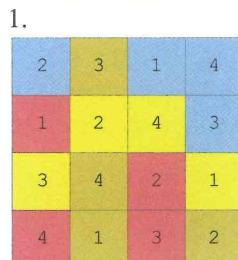


$-1 < e < 4$	1
$d^2 > 3$	1
$c^2 \geq 2$	0
$f \leq 0$	0
$b \leq 0$	0
$ f \leq 4$	1
$\neg -1 < d < 4$	1
$\neg 5 > d > 1$	1

7.



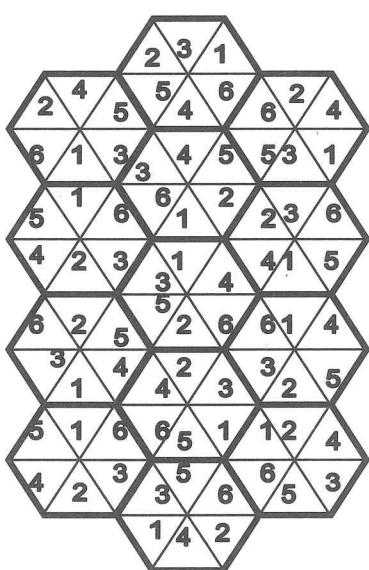
$ c - a \geq f$	1
$\neg f < b < a$	1
$ b - a \geq d$	1
$\neg e < d < b$	1
$\neg a \leq d \leq c$	1
$\neg f \leq e \leq c$	1
$\neg e \leq b \leq d$	1
$\neg f < a < c$	1

Stran 2: Barvni sudoku 6 x 6

Rešitev naloge 16 je na spletni strani www.logika.si.

Stran 3: Šestkotniki

Rešitev prvega primera:

**Stran 4: Črke v krogcih (A)**

1.

		C		
A				
B				
D				

3.

		E		
D	B		F	
	C			
G	A			

5.

		E		
D	B		F	
	C			
	A			

2.

D	B			
	C			
	A			

4.

		E		
D	B		F	
	C			
H	G	A		

6.

		E		
D	B		F	
	C			
H	G	A		

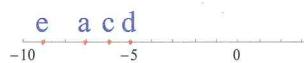
Stran 4-5: Črke v krogcih (B)

1.



$$\begin{aligned} |c - b| &\geq e & 1 \\ -d < e < a && 1 \\ |d - c| &\geq a & 0 \\ |b - e| &\geq c & 1 \\ |b - e| &\geq c & 1 \\ -b < a < e && 1 \end{aligned}$$

2.



$$\begin{aligned} e &\geq a & 0 \\ b &\leq d + 2 & 0 \\ e &\geq b & 0 \\ |b - d| &\geq 3 & 1 \\ 10 &\geq |d - c| \geq 3 & 0 \\ b &\leq a + 2 & 0 \\ |a - c| &\geq 3 & 0 \end{aligned}$$

Rešitve nalog od 3 do 7 so na spletni strani.