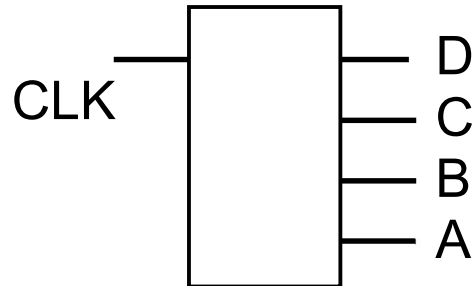
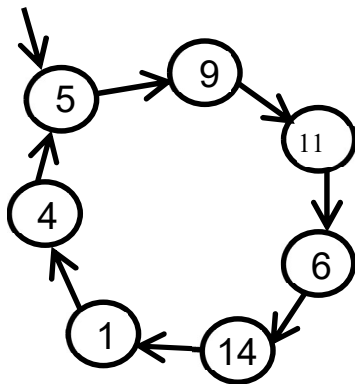


HW22	Varianta: LU	Datum: 26.4. 2025	Třída: 3.D	Jméno: Martin Novan
-------------	------------------------	-----------------------------	----------------------	-------------------------------

VARIANTA A:



De.	D	C	B	A	D'	C'	B'	A'
5	0	1	0	1	1	0	0	1
9	1	0	0	1	1	0	1	1
11	1	0	1	1	0	1	1	0
6	0	1	1	0	1	1	1	0
14	1	1	1	0	0	0	0	1
1	0	0	0	1	0	1	0	0
4	0	1	0	0	0	1	0	1

JD **A** **B**

	X	0	X	X
C	0	1	X	1
	X	X	X	X
D	X	X	X	X

$$JD = B + CA$$

$$KD = B$$

KD **A** **B**

	X	X	X	X
C	X	X	X	X
	X	X	X	1
D	X	0	1	X

JC		A	B		
C		X	1	X	X
		X	X	X	X
		X	X	X	X
D		X	0	1	X

$$JC = \bar{D} + B$$

$$KC = D + A$$

KC		A		B	
C	X	X	X	X	
	0	1	X	0	
	X	X	X	1	
	X	X	X	X	

		A		B	
JB	C	X	0	X	X
		0	0	X	X
D	X	X	X	X	
	X	1	X	X	

$$JB = D$$

$$KB = DC$$

KB		A				B			
C		X	X	X	X				
		X	X	X	0				
		X	X	X	1				
		X	X	0	X				
		X	X	0	X				

		A		B	
JA	C	X	X	X	X
		1	X	X	0
D		X	X	X	1
		X	X	X	X

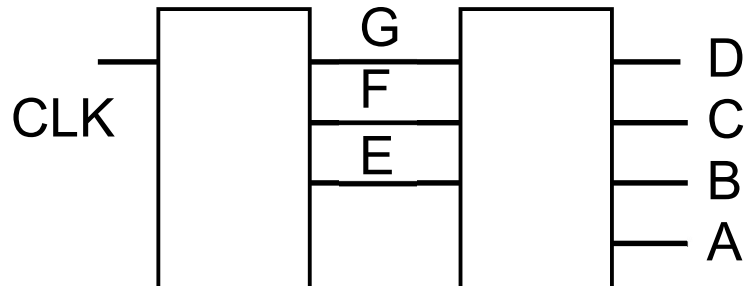
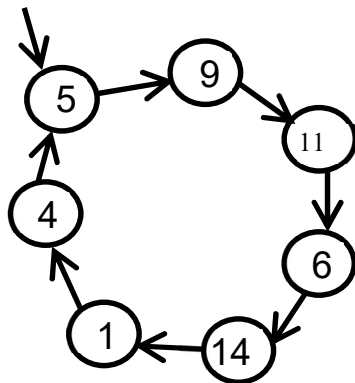
$$JA = D + \bar{B}$$

$$KA = \bar{D}\bar{C} + B$$

		A		B	
C	D	X	1	X	X
		X	0	X	X
		X	X	X	X
		X	0	1	X

HW22	Varianta: LU	Datum: 26.4. 2025	Třída: 3.D	Jméno: Martin Novan
-------------	------------------------	-----------------------------	----------------------	-------------------------------

VARIANTA B:



De.	G	F	E	G'	F'	E'
0 (5)	0	0	0	0	0	1
1 (9)	0	0	1	0	1	0
2 (11)	0	1	0	0	1	1
3 (6)	0	1	1	1	0	0
4 (14)	1	0	0	1	0	1
5 (1)	1	0	1	1	1	0
6 (4)	1	1	0	0	0	0

G	F	E	D	C	B	A
0	0	0	0	1	0	1
0	0	1	1	0	0	1
0	1	0	1	0	1	1
0	1	1	0	1	1	0
1	0	0	1	1	1	0
1	0	1	0	0	0	1
1	1	0	0	1	0	0

JG **E** **F**

	0	0	1	0
G	X	X	X	X

$$JG = FE$$

$$KG = F$$

KG **E** **F**

	X	X	X	X
G	0	0	X	1

HW22	Varianta: LU	Datum: 26.4. 2025	Třída: 3.D	Jméno: Martin Novan
-------------	------------------------	-----------------------------	----------------------	-------------------------------

JF E **F**

	0	1	X	X
G	0	1	X	X

$$JF = E$$

$$KF = E + G$$

KF E **F**

	X	X	1	0
G	X	X	X	1

JE E **F**

	1	X	X	1
G	1	X	X	0

$$JE = \bar{F} + \bar{G}$$

$$KE = 1$$

KE E **F**

	X	1	1	X
G	X	1	X	X

D E **F**

	0	1	0	1
G	1	0	X	0

C E **F**

	1	0	1	0
G	1	0	X	1

B E **F**

	0	0	1	1
G	1	0	X	0

A E **F**

	1	1	0	1
G	0	1	X	0

$$D = G\bar{F}\bar{E} + \bar{G}F\bar{E} + \bar{G}\bar{F}E \Rightarrow \bar{G}\bar{F}\bar{E} * \bar{G}F\bar{E} * \bar{G}\bar{F}E$$

$$C = \bar{F}\bar{E} + FE + G\bar{E} \Rightarrow \bar{F}\bar{E} * FE * G\bar{E}$$

$$B = G\bar{F}\bar{E} + \bar{G}F \Rightarrow \bar{G}\bar{F}\bar{E} * \bar{G}F$$

$$A = \bar{F}E + \bar{G}\bar{E} \Rightarrow \bar{F}E * \bar{G}\bar{E}$$