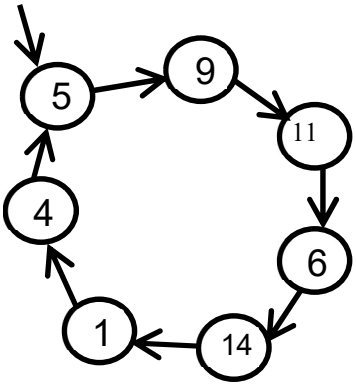
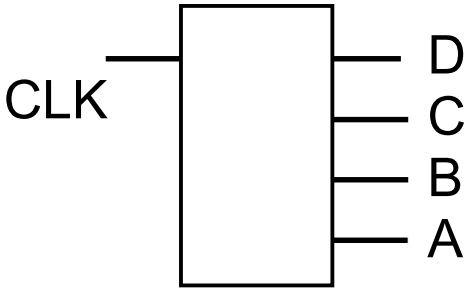
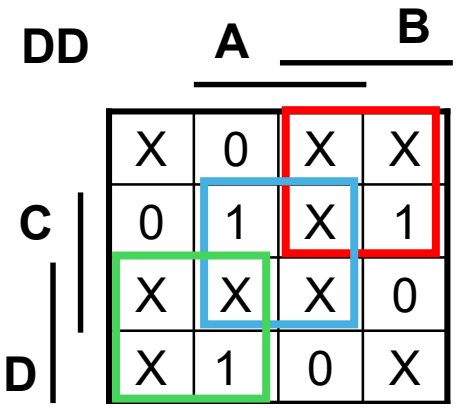
HW22	Varianta: LU	Datum: 26.4. 2025	Třída: 3.D	Jméno: Martin Novan

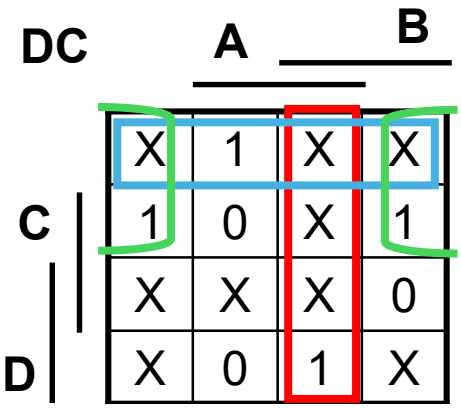
VARIANTA A:



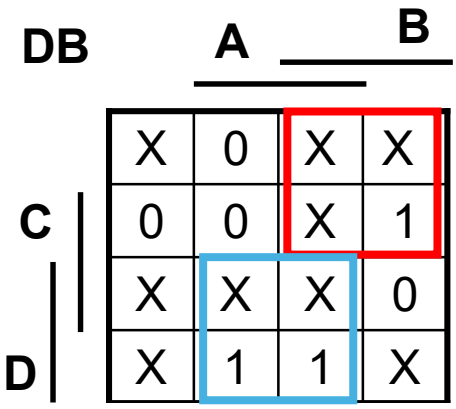


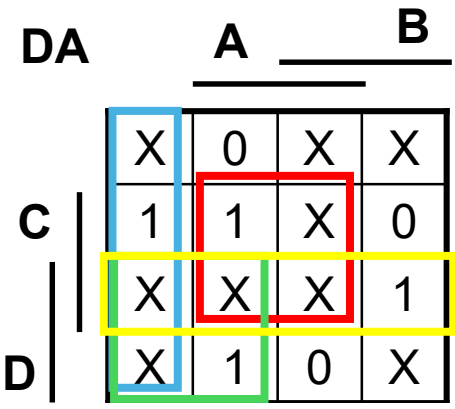
De.	D	C	B	A	D´	C´	B´	A´
5	0	1	0	1	1	0	0	1
9	1	0	0	1	1	0	1	1
11	1	0	1	1	0	1	1	0
6	0	1	1	0	1	1	1	0
14	1	1	1	0	0	0	0	1
1	0	0	0	1	0	1	0	0
4	0	1	0	0	0	1	0	1





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





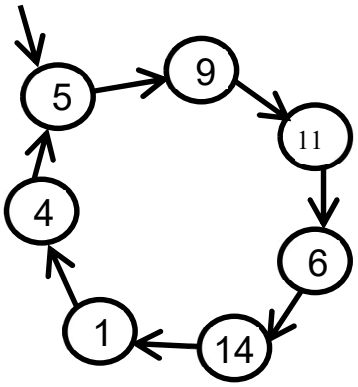
DD = $\bar{D}B + CA + D\bar{B} \Rightarrow \overline{\bar{\bar{D}}B} * \overline{CA} * \overline{D\bar{B}}$

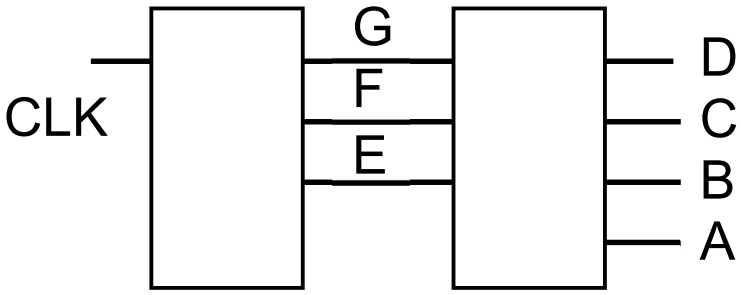
DC = $BA + \bar{D}\bar{C} + \bar{D}\bar{A} \Rightarrow \overline{BA} * \overline{\bar{D}\bar{C}} * \overline{\bar{D}\bar{A}}$

DB = $\bar{D}B + DA \Rightarrow \overline{\bar{\bar{D}}B} * \overline{DA}$

DA = $CA + \bar{B}\bar{A} + D\bar{B} +$
$DC \Rightarrow \overline{CA} * \overline{\bar{B}\bar{A}} * \overline{D\bar{B}} * \overline{DC}$

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

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

DG

G \ EF	00	11	10	01
0	0	0	1	0
1	1	1	X	0

DF

G \ EF	00	11	10	01
0	0	1	0	1
1	0	1	X	0

DE

G \ EF	00	11	10	01
0	1	0	0	1
1	1	0	X	0

DG = $G\bar{F} + FE = \overline{\overline{G\bar{F}} * \overline{FE}}$

DF = $\bar{F}E + \bar{G}F\bar{E} = \overline{\overline{\bar{F}E} * \overline{\bar{G}F\bar{E}}}$

DE = $\bar{F}\bar{E} + \bar{G}\bar{E} = \overline{\overline{\bar{F}\bar{E}} * \overline{\bar{G}\bar{E}}}$

D

G \ EF	00	11	10	01
0	0	1	0	1
1	1	0	X	0

C

G \ EF	00	11	10	01
0	1	0	1	0
1	1	0	X	1

B

G \ EF	00	11	10	01
0	0	0	1	1
1	1	0	X	0

A

G \ EF	00	11	10	01
0	1	1	0	1
1	0	1	X	0

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

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

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

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