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

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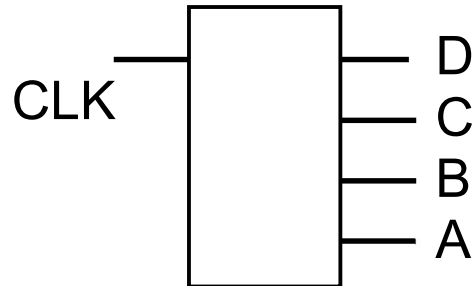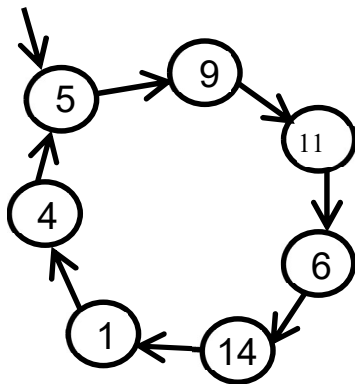
De.	D	C	B	A	D´	C´	B´	A´
5	0	1	0	1	1	0	0	1
9	1	0	0	1	1	0	1	1
11	1	0	1	1	0	1	1	0
6	0	1	1	0	1	1	1	0
14	1	1	1	0	0	0	0	1
1	0	0	0	1	0	1	0	0
4	0	1	0	0	0	1	0	1

$JD = B + CA$

$KD = B$

JC

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

KC

JB

$$JB = D$$
$$KB = D\bar{C}$$

KB

JA

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

KA

VARIANTA B:
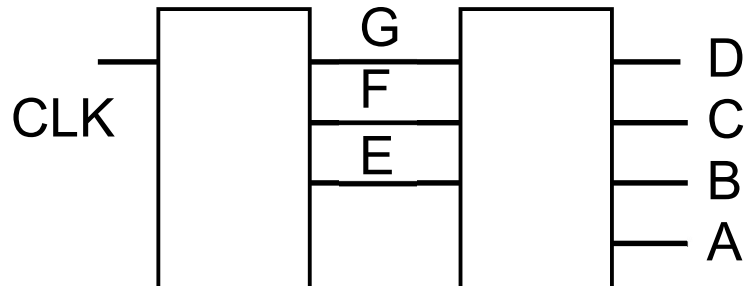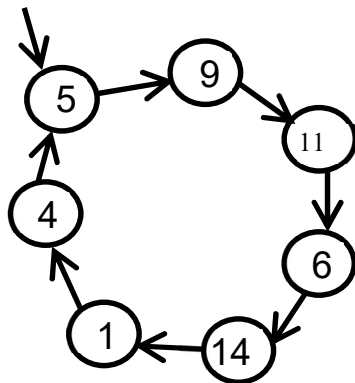
De.	G	F	E	G´	F´	E´
0 (5)	0	0	0	0	0	1
1 (9)	0	0	1	0	1	0
2 (11)	0	1	0	0	1	1
3 (6)	0	1	1	1	0	0
4 (14)	1	0	0	1	0	1
5 (1)	1	0	1	1	1	0
6 (4)	1	1	0	0	0	0

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		$\overline{}$	F
0	0	1	0
X	X	X	X

G |

JG = *FE*
KG = *F*

KG

E		$\overline{}$	F
X	X	X	X
0	0	X	1

G |

JF

0	1	X	X
0	1	X	X

G |

$\mathbf{JF} = E$
$\mathbf{KF} = E + G$

KF

X	X	1	0
X	X	X	1

G |

JE

1	X	X	1
1	X	X	0

G |

$\mathbf{JE} = \bar{F} + \bar{G}$
$\mathbf{KE} = 1$

KE

X	1	1	X
X	1	X	X

G |

D

0	1	0	1
1	0	X	0

G |

C

1	0	1	0
1	0	X	1

G |

B

0	0	1	1
1	0	X	0

G |

A

1	1	0	1
0	1	X	0

G |

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

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

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

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