

107

Zadáni

7 2 3 5 / 1 5 4 6

Vstup

Kód	c	b	a
7	1	1	1
2	0	1	0
3	0	1	1
5	1	0	1

Výstup

C	B	A	Kód
0	0	1	1 ✓
1	0	1	5 ✓
1	0	0	4 ✓
1	1	0	6 ✓

A $\begin{matrix} a & b \\ \hline \end{matrix}$

	X	X	0	1
c	X	0	1	X

B $\begin{matrix} a & b \\ \hline \end{matrix}$

	X	X	0	0
c	X	1	0	X

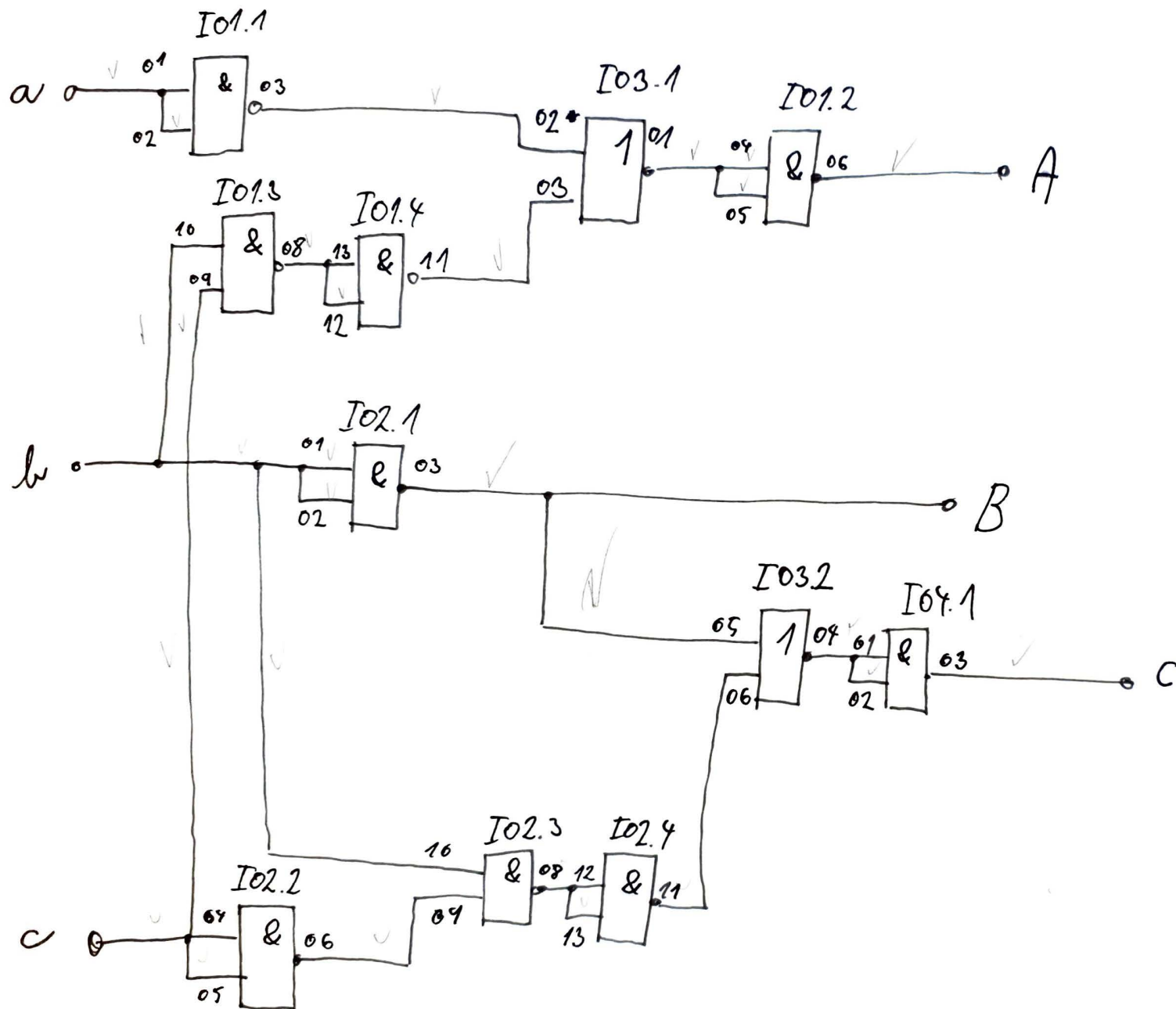
C $\begin{matrix} a & b \\ \hline \end{matrix}$

	X	X	1	1
c	X	1	0	X

$$A = \bar{a} \cdot \bar{b} + b \cdot c$$

$$B = \bar{b}$$

$$C = \bar{b} + b \cdot \bar{c}$$



$I01, I02, I04 \Rightarrow 7400$

$I03 \Rightarrow 7402$

$$A = \bar{a} + b \cdot c = \overline{a \cdot a} + b \cdot c \quad \overline{a \cdot a} + b \cdot c$$

$$B = \bar{b} = \overline{b \cdot b}$$

$$C = \bar{b} + b \cdot \bar{c} = \overline{b \cdot b} + b \cdot \bar{c} = \overline{b \cdot b} + b \cdot \bar{c} \cdot \bar{c} = \overline{b \cdot b} + b \cdot \bar{c} \cdot \bar{c}$$

