

$$\text{zad. 1} \quad 98279_{10} = 35ABA_{13}$$

$$98279 \mid 13 \cdot 7569 + 10$$

$$7569 \mid 13 \cdot 582 + 17$$

$$582 \mid 13 \cdot 44 + 10$$

$$44 \mid 13 \cdot 3 + 5$$

$$3 \mid 13 \cdot 0 + 3$$

zad 2

$$\begin{aligned} & (\sim A + C)(AB + \sim A \sim B + AC) = \sim A \cdot AB + \sim A \cdot \sim A \sim B + \\ & + \sim A \cdot AC + AB \cdot C + \sim A \sim B \cdot C + C \cdot AC = \\ & = \sim A \sim B + AB \cdot C + \sim A \sim B \cdot C + AC = \\ & = \sim A \sim B + ABC + AC = \sim A \sim B + AC(1 + B) = \sim A \sim B + AC \end{aligned}$$

zad. 3

AB \ CD	00	01	11	10
00	0	0	1	1
01	1	0	1	0
11	1	1	0	0
10	0	1	0	1

$$F = (\bar{A} \cdot \bar{B} \cdot C) + (\bar{A} \cdot B \cdot C) + (A \cdot B \cdot \bar{C}) + (A \cdot \bar{B} \cdot \bar{D})$$