

OSNOVE DIGITALNIH VEZIJ

5. Domača naloga, Janez Justin

$$f(x_1, x_2, x_3, x_4, x_5) = V^5(0, 1, 5, 6, 7, 8, 9, 10, 11, 13, 15, 18, 22, 27, 31)$$

MNO:

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$$f(x_1, x_2, x_3, x_4, x_5) = \frac{\bar{x}_1 x_3 x_5 \vee x_2 x_4 x_5 \vee \bar{x}_1 x_2 \bar{x}_3 \vee \bar{x}_1 \bar{x}_3 \bar{x}_4 \vee x_1 \bar{x}_2 x_4 \bar{x}_5 \vee \bar{x}_1 \bar{x}_2 x_3 x_4}{[6, 26]}$$

MNO:

(1) $\bar{x}_1 \bar{x}_4 \vee x_1 x_2 \bar{x}_5 \vee x_1 \bar{x}_2 x_5 \vee x_2 x_3 \bar{x}_5 \vee x_3 \bar{x}_4 x_5 \vee \bar{x}_1 \bar{x}_2 \bar{x}_3 x_4$

|| Negacija

(2) $(\bar{x}_1 \vee x_4)(\bar{x}_1 \bar{x}_2 \vee x_5)(\bar{x}_1 \bar{x}_2 \bar{x}_5)$
 $(\bar{x}_2 \bar{x}_5 \vee x_5)(\bar{x}_3 \bar{x}_4 \vee x_5)(x_1 \bar{x}_2 \bar{x}_3 \bar{x}_4)$

[6, 24]

MNO: $(\bar{x}_1 \vee x_4)(\bar{x}_1 \bar{x}_2 \vee x_5)(\bar{x}_1 \bar{x}_2 \bar{x}_5)(\bar{x}_2 \bar{x}_5 \vee x_5)(\bar{x}_3 \bar{x}_4 \vee x_5)(x_1 \bar{x}_2 \bar{x}_3 \bar{x}_4)$

Logična shema:

