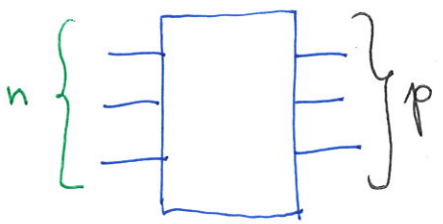


$\left(2^{2^n}\right)^p$ število funkcij

$n = 3$

$p = 3$

št. funkcij = 16.777.216

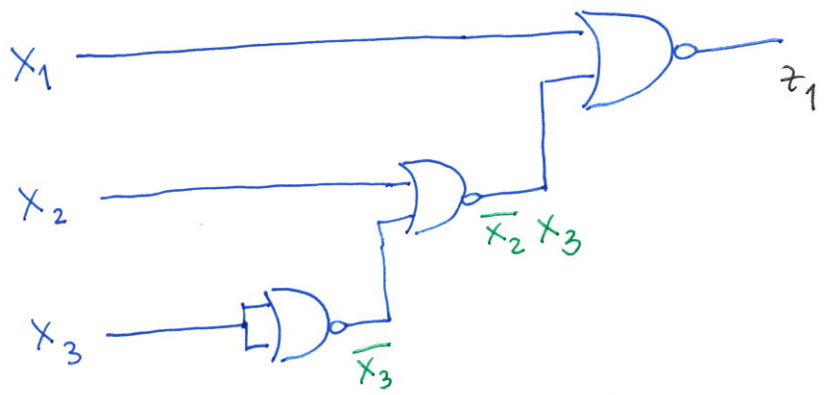
$$z_1 = \overline{x}_1 (\overline{x}_3 + x_2)$$

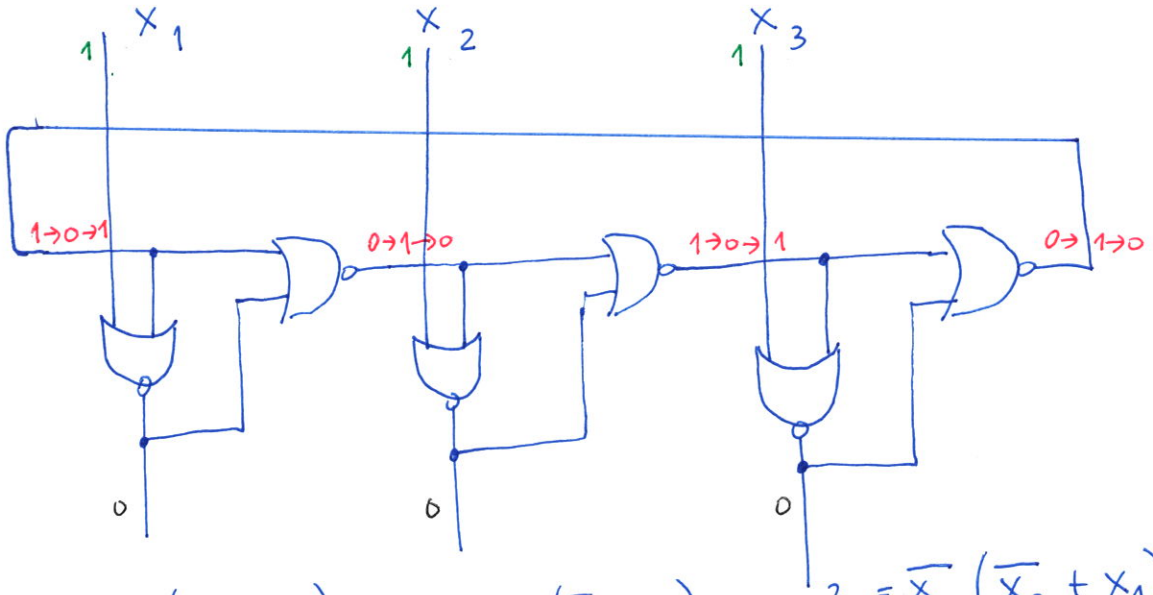
$$z_2 = \overline{x}_2 (\overline{x}_1 + x_3)$$

$$z_3 = \overline{x}_3 (\overline{x}_2 + x_1)$$

Katerakoli izvedba funkcij z_1, z_2, z_3 vsebuje najmanj 7 vrat

Izvedba funkcije z_1.





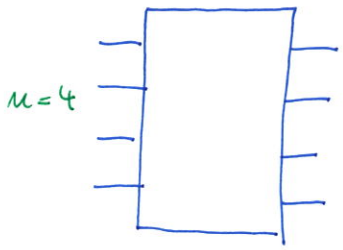
$z_1 = \overline{x_1}\,(\overline{x_3} + x_2)$ $\quad z_2 = \overline{x_2}\,(\overline{x_1} + x_3)$ $\quad z_3 = \overline{x_3}\,(\overline{x_2} + x_1)$

$z_1 = \overline{x_1}\,(\overline{x_4} + x_3\overline{x_2})$

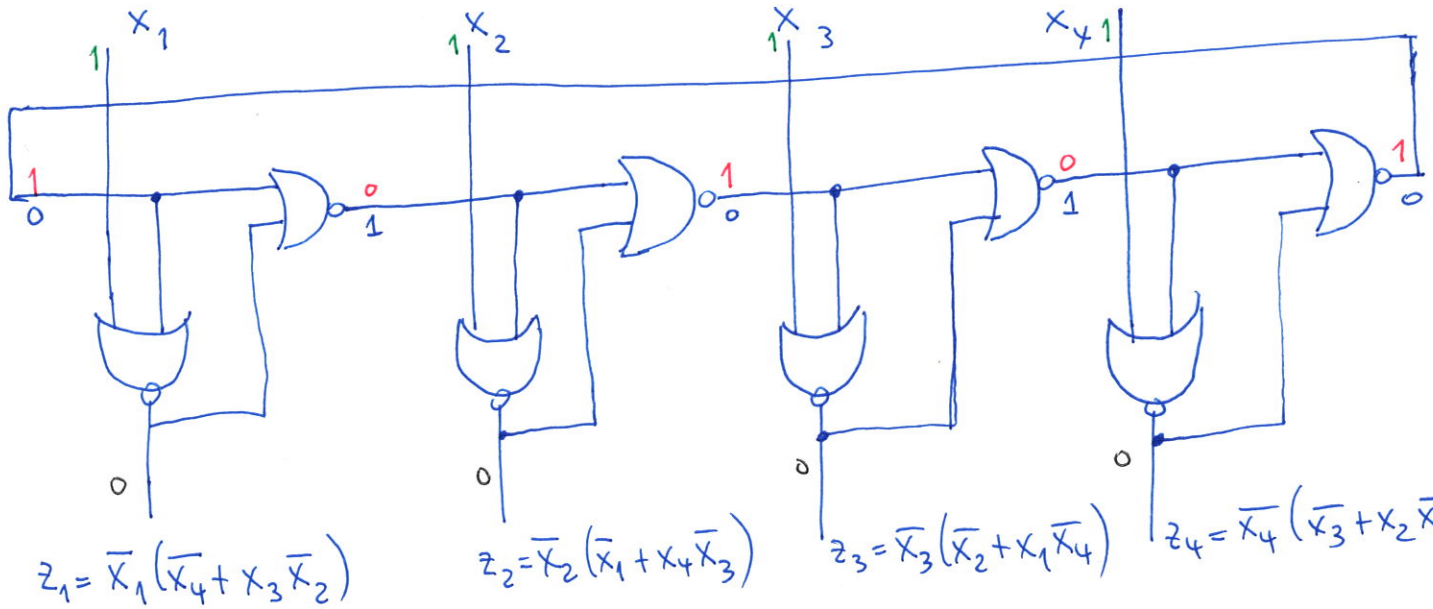
$z_2 = \overline{x_2}\,(\overline{x_1} + x_4\overline{x_3})$

$z_3 = \overline{x_3}\,(\overline{x_2} + x_1\overline{x_4})$

$z_4 = \overline{x_4}\,(\overline{x_3} + x_2\overline{x_1})$



$\left(2^{2^4}\right)^4$



$z_1 = \overline{x_1}\,(\overline{x_4} + x_3\overline{x_2})$ $\quad z_2 = \overline{x_2}\,(\overline{x_1} + x_4\overline{x_3})$ $\quad z_3 = \overline{x_3}\,(\overline{x_2} + x_1\overline{x_4})$ $\quad z_4 = \overline{x_4}\,(\overline{x_3} + x_2\overline{x_1})$