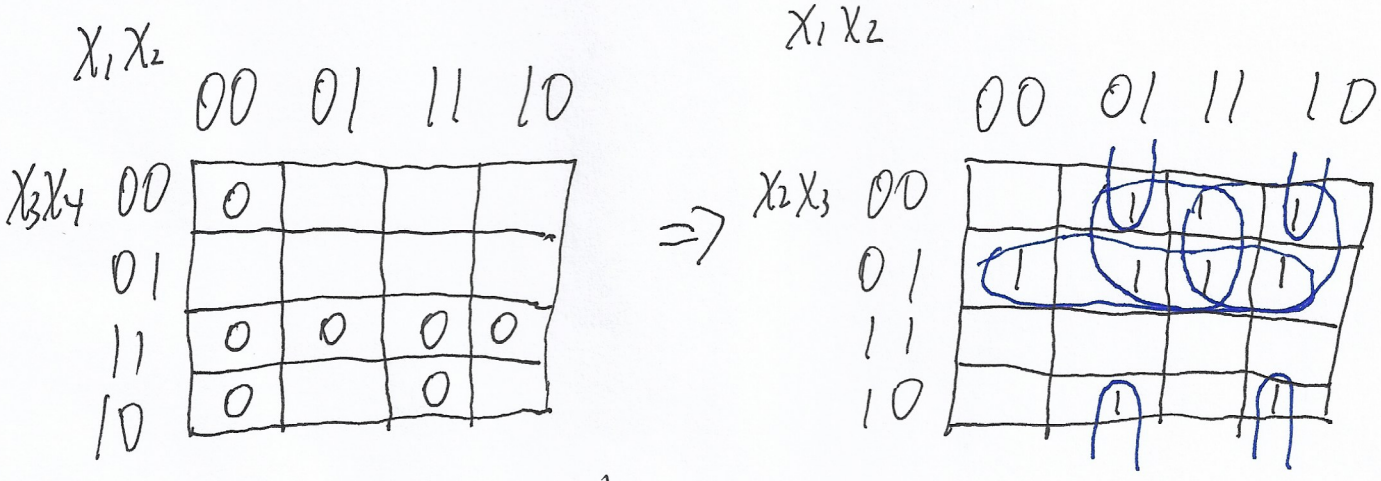
9. $f^4(x) = \&(0,2,7,11,12,14,15)$

рисуем карту Карно:



$$C_{min}(1) = \begin{cases} xx01 \\ 0xx1 \quad \cancel{x1x1} \quad x10x \\ \cancel{0x1x} \quad 1x0x \\ 01x0 \\ 10x0 \end{cases}$$

МДНФ имеет вид:

$$f = \bar{x}_3 x_4 \vee x_2 \bar{x}_3 \vee x_1 \bar{x}_3 \vee \bar{x}_1 x_2 \bar{x}_4 \vee \cancel{x_1 \bar{x}_3 \bar{x}_4} \; x_1 \bar{x}_2 \bar{x}_4$$