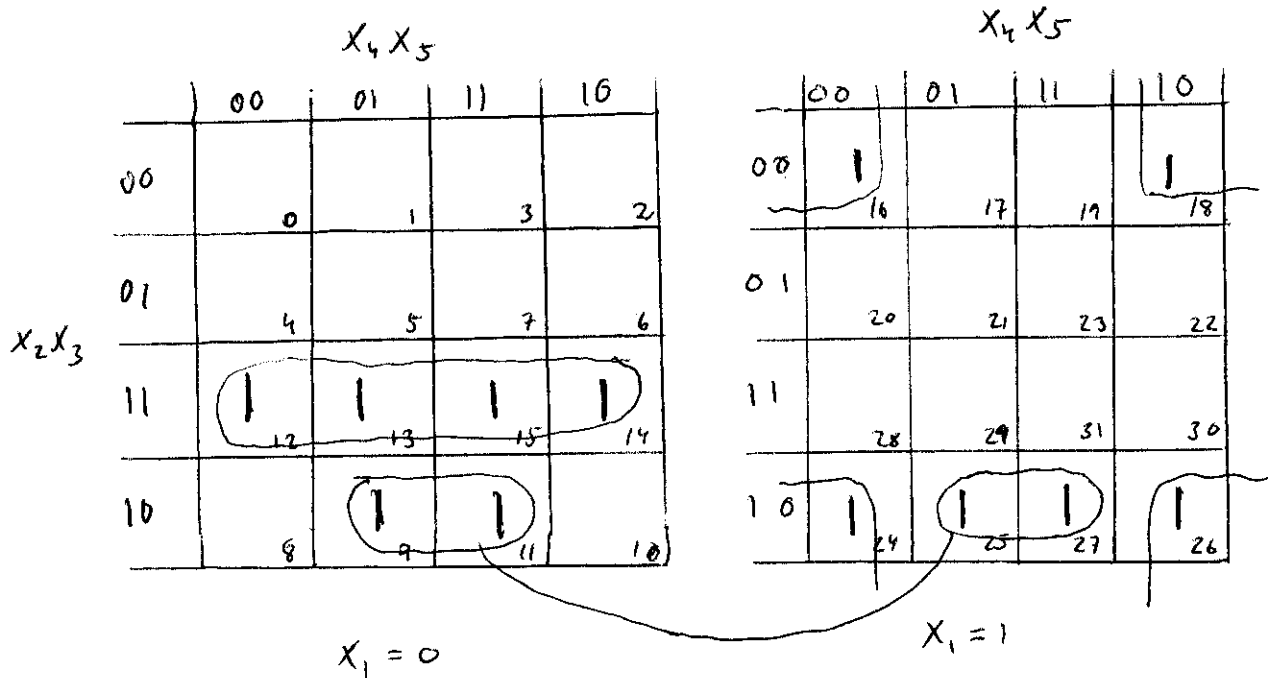


Ö3.1

Ta fram det minimala uttrycket på summa-av-produkt form

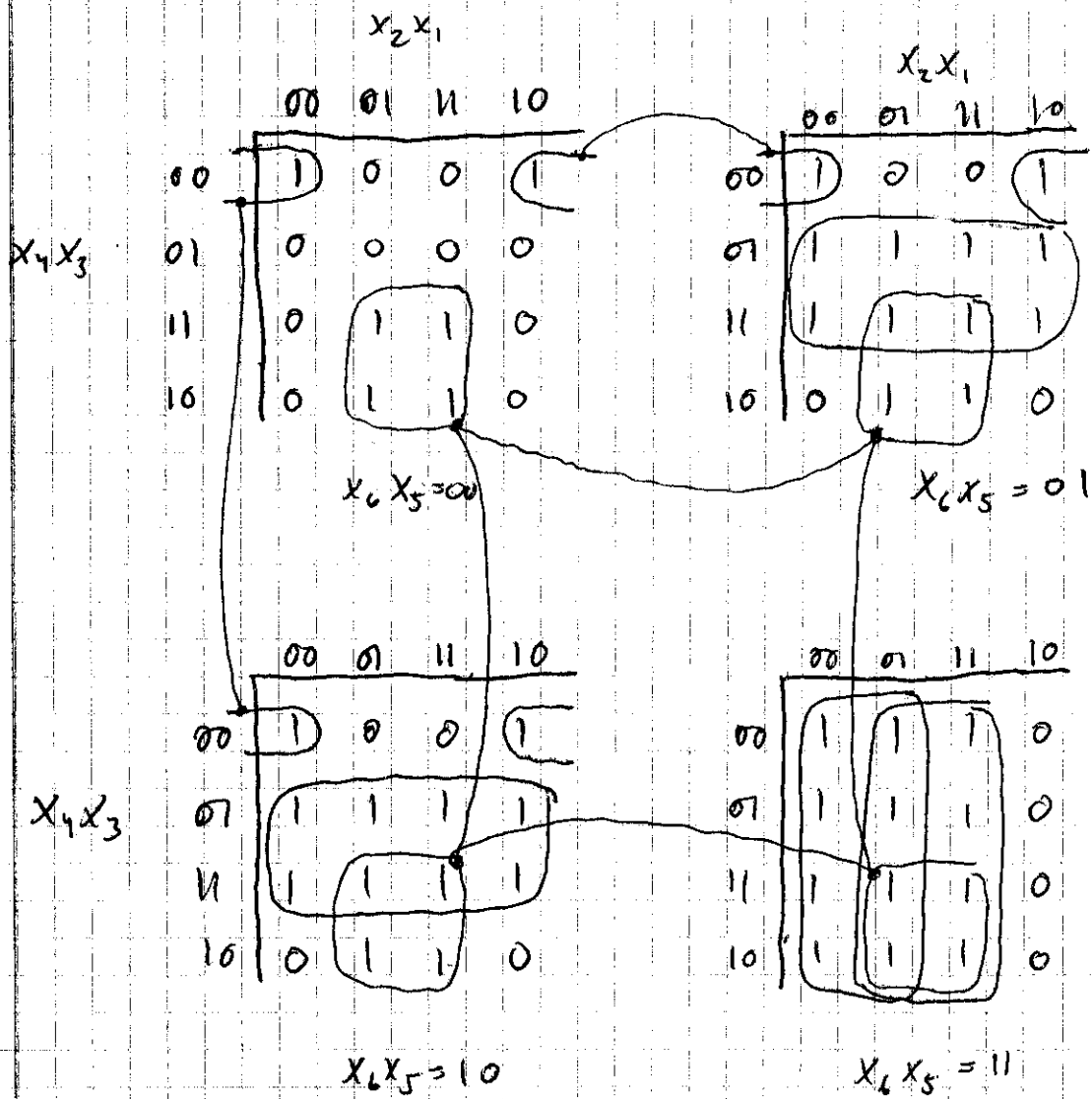
för $f(x_1, x_2, x_3, x_4, x_5) = \sum(9, 11, 12, 13, 14, 15, 16, 18, 24, 25, 26, 27)$



$$f = \bar{x}_1 x_2 x_3 + x_1 \bar{x}_3 \bar{x}_5 + x_2 \bar{x}_3 x_5$$

03.2

Lösning



$$f = \bar{x}_6 \bar{x}_4 \bar{x}_3 \bar{x}_1 + x_4 x_1 + \bar{x}_6 x_5 x_3 + \bar{x}_5 \bar{x}_4 \bar{x}_3 \bar{x}_1 + \\ + x_6 \bar{x}_5 x_3 + x_6 x_5 \bar{x}_2 + x_6 x_5 x_1$$