

calc_logic_example

Student Group

First Name	Surname	Matrikel Nr.

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example for a simplification with the rule for boolean algebra

$$\overline{a \vee (b \wedge (\bar{a} \vee c) \wedge 1) \vee a}$$

At first we will switch the representation to the following:

$$\overline{(a + (b \cdot (\overline{a + c}) \cdot 1) + a)}$$

so lets start

$$\overline{(a + (b \cdot (\overline{a + c}) \cdot 1) + a)}$$

1. Put space between the digits

\quad

$$\begin{array}{l} \begin{array}{l} \begin{array}{l} \overline{(a + (b \cdot (\overline{a + c}) \cdot 1) + a)} \end{array} \quad \& \\ \color{blue}{\text{Neutral Element}} \quad \color{white}{.} \end{array} \\ \end{array}$$

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