

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:

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

so lets start $\color{white}\{\quad\quad\quad\}$ \$

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

1. Put space between the digits

$$\quad$$

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

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Last update: **2021/09/16 23:06**

