aufgabe_1.6.3_mit_rechnung
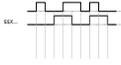
Student Group

First Name	Surname	Matrikel Nr.

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Step-by-step solution for $X0\; XOR \; X1$

1. Interpretation of the timing diagram:
$\quad$

The time course of $X0$ and $X1$ can be
interpreted as 0's and 1's

1. Interpretation of the timing diagram:
$\quad$
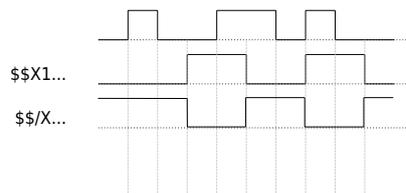
2. Goal is to find the result for each column:
$\quad$

3. Sometimes an intermediate step is advantageous:
$\quad$

4. Now we have to calculate each step:
$\quad$

In theory, this can be done for every time step. However, for more complex formulas it is easier to

10. Goal is to find the result for each column:
$\quad$

$$X1...

$$/X...