

aufgabe_1.6.3_mit_rechnung

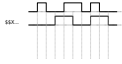
Student Group

First Name	Surname	Matrikel Nr.

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Step-by-step solution for X_0 ; $X_0 \oplus X_1$; X_1

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



The time course of X_0 and X_1 can be interpreted as 0 's and 1 's

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



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

Here, this could be \$/X1.\$

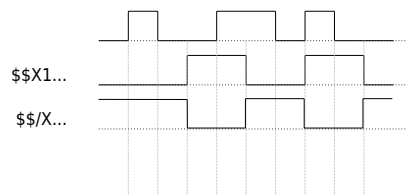
3. Next we have to find the result for each column:
 $\quad$

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\$\quad\$

This result can be reused for time steps with similar inputs.

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\$\quad\$

4. Applying this for all possible inputs:
\$\quad\$



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