

aufgabe_1.6.3_mit_rechnung

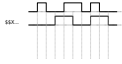
Student Group

First Name	Surname	Matrikel Nr.

Table of Contents

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.\$

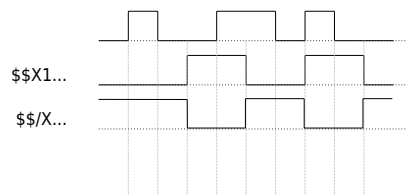
3. Next we have to find the result for each column:
 $\quad$

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

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

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

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



From:

<https://first.mexle.te.hs-heilbronn.de/> - MEXLE Wiki

Permanent link:

https://first.mexle.te.hs-heilbronn.de/introduction_to_digital_systems/aufgabe_1.6.3_mit_rechnung?rev=1666186742

Last update: 2022/10/19 15:39

