

aufgabe_1.6.3_mit_rechnung

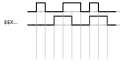
Student Group

First Name	Surname	Matrikel Nr.

Table of Contents

Step-by-step solution for X_0 ; XOR ; X_1

1. Interpretation of the timing diagram:
 \quad



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

1. Interpretation of the timing diagram:
 \quad



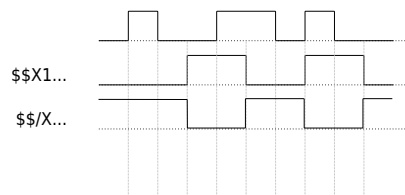
2. Sometimes an intermediate step is advantageous:
\$\quad\$

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://wiki.mexle.org/> - **MEXLE Wiki**

Permanent link:

https://wiki.mexle.org/introduction_to_digital_systems/aufgabe_1.6.3_mit_rechnung?rev=1666186701

Last update: **2022/10/19 15:38**

