

aufgabe_1.6.3_mit_rechnung

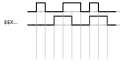
Student Group

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

1. Interpretation of the timing diagram:
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The time course of X_0 and X_1 can be interpreted as 0 's and 1 's

1. Interpretation of the timing diagram:
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2. Sometimes an intermediate step is advantageous:
\$\quad\$

Here, this could be $\frac{1}{X}$.

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

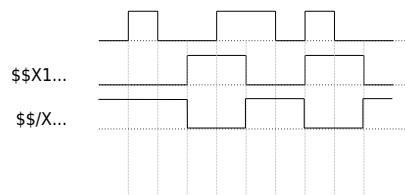
3. Next we have to find the result for each column:
\$\quad\$

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\$

5. Final step: drawing a time diagram again
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