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Introduction To Digital Electronics – Lesson 4: The Karnaugh Map

PARTS

The following information is meant to go with the online lesson found here:
<http://www.pyroelectro.com/edu/digital/kmaps/>

PARTS TO BOOLEAN ALGEBRA EQUATIONS

Moving forward a few steps, we used the same 3 basic logic gates to test out our complex Boolean algebra equation and our simplified one. While we found out that both equations gave the same output, more important was learning that simplification in Boolean algebra does exist. Below are the parts we used in the experiment.

Picture	Part	Description
	74HC04 6x NOT Gates	This is a NOT Gate logic IC and inside of it there are 6 NOT logic gates that you can use. Datasheet Link
	74HC08 4x AND Gates	This is an AND Gate logic IC and inside of it there are 4 AND logic gates that you can use. Datasheet Link
	74HC32 4x OR Gates	This is an OR Gate logic IC and inside of it there are 4 OR logic gates that you can use. Datasheet Link

ADDITIONAL INFORMATION

To ask questions about anything found in this information please head on over to the forums located at:

<http://www.pyroelectro.com/forums/viewforum.php?f=21>