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# Gates comparison

From Wiremod Wiki

As the title suggests these gates perform a comparison between two values then output either a 1 or a 0 depending on the result of the comparison.

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## Equal

<b>Inputs:</b>	<b>N</b> A B
<b>Outputs:</b>	<b>N</b> Out
<b>Description:</b>	Outputs 1 when A and B are the same, else outputs 0.



## Not equal

<b>Inputs:</b>	<b>N</b> A B
<b>Outputs:</b>	<b>N</b> Out
<b>Description:</b>	Outputs 1 when A and B are not the same, else outputs 0.



## Greater than

<b>Inputs:</b>	<b>N</b> A B
<b>Outputs:</b>	<b>N</b> Out
<b>Description:</b>	Outputs 1 when A is greater than B, else outputs 0.



## Greater than or equal

<b>Inputs:</b>	 A B
<b>Outputs:</b>	 Out
<b>Description:</b>	Outputs 1 when A is equal or greater than B, else outputs 0.



## Less than

<b>Inputs:</b>	 A B
<b>Outputs:</b>	 Out
<b>Description:</b>	Outputs 1 when A is less than B, else outputs 0.

## Less than or equal


<b>Inputs:</b>	 A B
<b>Outputs:</b>	 Out
<b>Description:</b>	Outputs 1 when A is equal or less than B, else outputs 0.

## Is In Range (exclusive)

<b>Inputs:</b>	 Value Min Max
<b>Outputs:</b>	 Out
<b>Description:</b>	Acts as a combined greater and less than gate Outputs 1 when Value is greater than Min and less than Max

## Is In Range (inclusive)

<b>Inputs:</b>	 Value Min Max
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<b>Outputs:</b>	 Out
<b>Description:</b>	Acts as a combined greater than or equal and less than or equal gate Outputs 1 when Value is greater than or equal to Min and less than or equal to Max

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