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Gates selection

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7 Segment Decoder

Inputs:	N A Clear
Outputs:	N A B C D E F G
Description:	Decodes A in to 7 values. Used to make a 7 segment display.

If Then Else

Inputs:	N A B C
Outputs:	N Out
Description:	Outputs B when A is greater than 0, else it ouputs C

Maximum (Largest)

Inputs:	N A B C D E F G H
Outputs:	N Out
Description:	Outputs the largest value

Minimum (Smallest)

Inputs:	N A B C D E F G H
Outputs:	N Out
Description:	Outputs the smallest value

Router

Inputs:	N Path Data
Outputs:	N A B C D E F G H
Description:	Data is outputted through the output matching to the number in Path. 1 = A, 2 = B, 3 = C, etc.

Select (Choice)


Inputs:	N Choice A B C D E F G H
Outputs:	N Out
Description:	Outputs the input selected by Choice.

Time/Date Decoder

Inputs:	N Time Date
Outputs:	N Seconds Minutes Hours Day Year
Description:	Converts Time and Date into different time units. Time is seconds, Date is days. Tip: Use OS Time and OS Date as inputs.

Value Range

Inputs:	N Value Min Max
Outputs:	N Out
Description:	Outputs Min when Value is less than Min. Outputs Value when Value is between Min and Max.



Outputs Max when Value is greater than Max.
Outputs 0 when Max is less then Min.

Works exactly like a arithmetic clamp.

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