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Integer Math Node

The *Integer Math* node performs math operations.

Inputs

Value

Standard integer value input. Depending on the operation there will be more than one input.

Properties

Operation

The mathematical operator to be applied to the input values:

Functions

Add:

The sum of the two values.

Subtract:

The difference between the two values.

Multiply:

The product of the two values.

Divide:

The division of the first value by the second value.

Multiply Add:

The sum of the product of the two values with *Addend*.

Absolute:

The input value is read without regard to its sign. This turns negative values into positive values.

Negate:

Changes the sign of the input value.

Power:

The *Base* raised to the power of *Exponent*.

Comparison

Minimum:

Outputs the smallest of the input values.

Maximum:

Outputs the largest of two input values.

Sign:

Extracts the sign of the input value. All positive numbers will output 1. All negative numbers will output -1. And 0 will output 0.

Rounding

Divide Round:

Divide the values and round the result toward zero.

Divide Floor:

Divide the values and floor the result down to the nearest integer.

Divide Ceiling:

Divide the values and ceil the result up to the nearest integer .

Floored Modulo:

Returns the positive remainder of a division operation.

Modulo:

Outputs the remainder once the first value is divided by the second value.

Greatest Common Divisor:

The largest positive integer that divides into each of the values.

Least Common Multiple:

Least Common Multiple.

The smallest positive integer that is divisible by both values.

Output

Value

Standard integer output.

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