Factorial

Block Group:	Math Operations
Icon:	❗

The Factorial block returns the single factorial of a number. The single factorial of *n* is equal to 1*2*3*...* *n*.

For information on using dataflow blocks, see Dataflow.

For accepted and excluded arguments of Math Operations blocks, see Math Operations.

Input/Output Property

The following property of the Factorial block can take input and give output.

- input *(number)*

input specifies the number to find the factorial for.

Output Property

The following property of the Factorial block can give output but cannot take input.

- output *(number)*

output returns the factorial of the input.

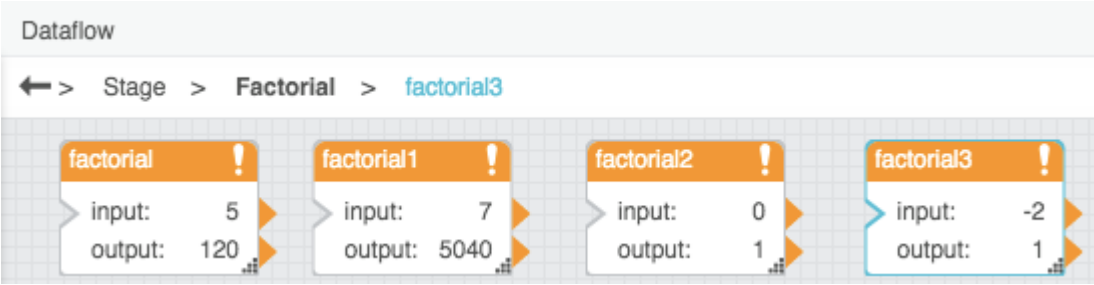
Special Cases for the Factorial Block

The following are special cases for the Factorial block:

- A negative **input** value causes 1 to be returned.
- If the **input** value is not an integer, it is truncated.
- The factorial of zero is one.
- Error values, and text that cannot be resolved to a number, cause 1 to be returned.
- An **input** value of 100000 or greater returns infinity.

Examples

The following image shows four examples of the Factorial block.



Previous: Divide

Next: Logarithm

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