Trace

Block Group:	Logic
Icon:	

Monitors changes to specified properties and logs changes in the browser's JavaScript console. This block is useful for debugging dataflow. It logs changes using the following syntax:

```
Trace: <timestamp> : <traceLabel> : <property path> : <msg> : <value>
```

The `traceLabel` and `msg` portions appear only if those properties are defined.

For information on using dataflow blocks, see Dataflow.

Input/Output Properties

These properties can take input and give output.

- tracing *(boolean)*
- msg *(string)*
- input *n*

tracing specifies whether the changes are recorded. In addition to TRUE and FALSE, you can also set a value of Auto.

Tips: Setting the tracing Value to Auto

- The default value is Auto when you add a new Trace block.
- You can also make the value Auto by mousing over the property, clicking the blue dot, and selecting **Reset**.
- An Auto value looks like a False value, with two differences: if the value is Auto, then when you hover over the property, the blue dot is not filled in, and when you click the blue dot, there is no **Reset** option.

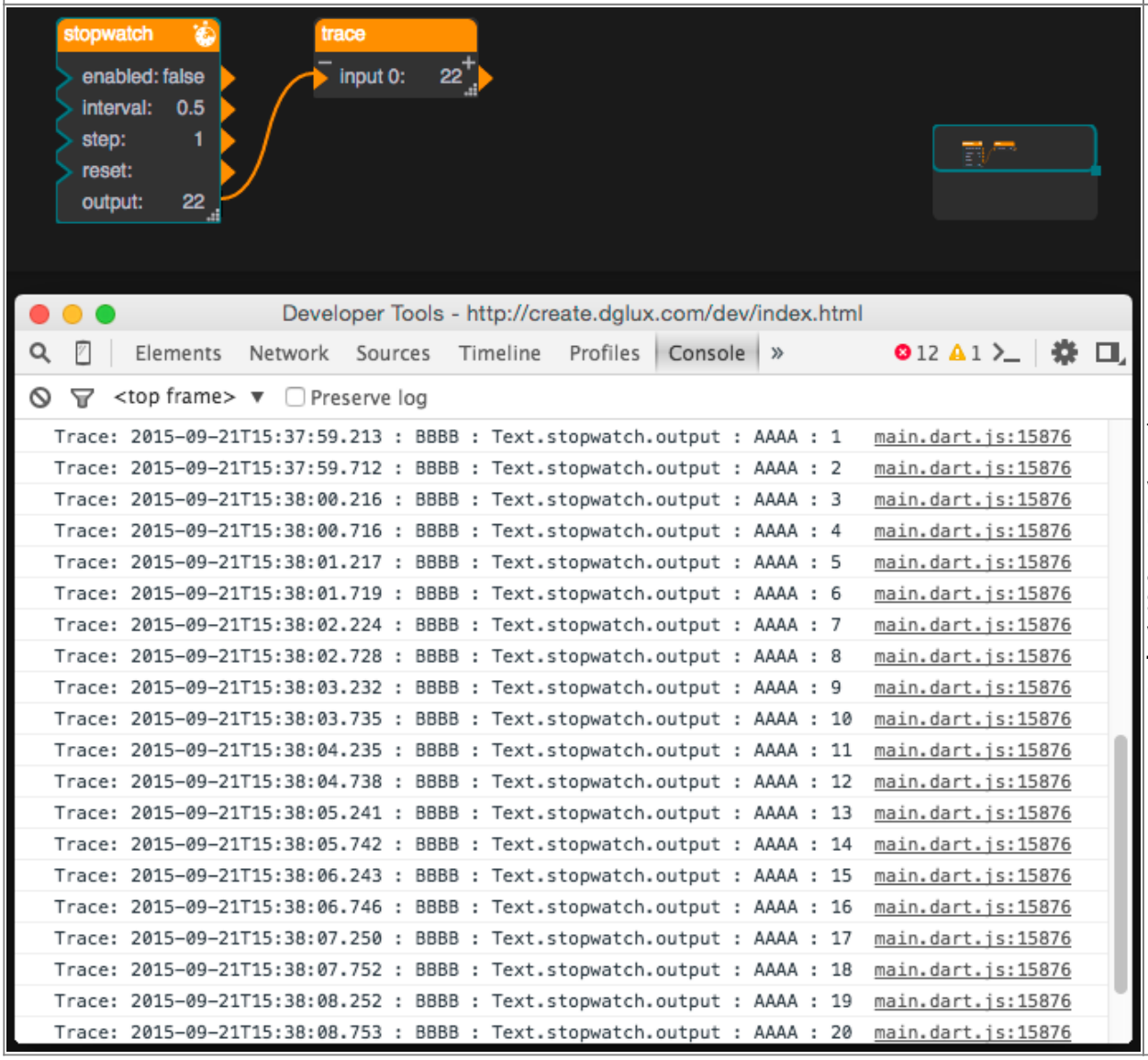
- **TRUE**: Changes are logged in the console.
- **FALSE**: Changes are not logged.
- **Auto**: Changes are logged only if the Advanced property **traceLabel** is not null for the Stage.

msg specifies a string to be included in the developer console when values for this block are updated.

input *n* specifies the path to one of the properties that this block monitors.

Model

This is a basic use of the block.

Dataflow Model	Description
	Each log message in the console includes the value of **msg** ("AAAA") and also the Stage's value of **traceLabel** ("BBBB").

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