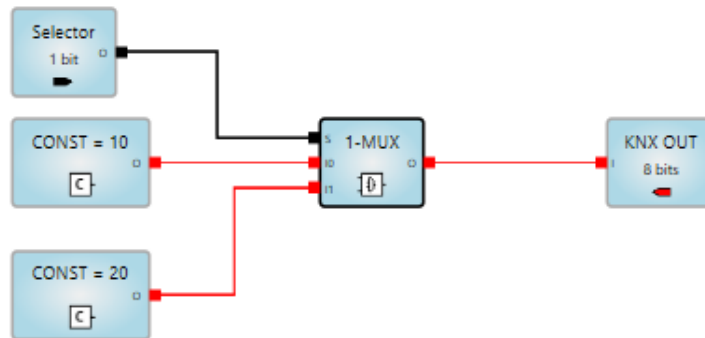


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ABA/S 1.2.1: What should be considered when using “constants” in combination with the “1-MUX” function?

Logic example



If constants are used as inputs of a 1-MUX, the "Send trigger" parameter must also be activated on the 1-MUX. This is **not** set by default.

| Common | |
|------------------------|-------------------------------------|
| Name | 1-MUX |
| Remark | |
| Parameter | |
| Send trigger | <input checked="" type="checkbox"/> |
| Additional information | |
| Title | |
| Description | |
| Version | 1.0 |
| Author | |
| Keywords | 1-MUX |
| License agreement | |

Background:

Without an activated send trigger, the output of the 1-MUX is only sent when a new value is received at one of the two inputs (I0 or I1) and this input was previously selected.

With constants, i.e. fixed values, a new value can never be received at the input.

--> This also prevents the output from being sent on KNX!

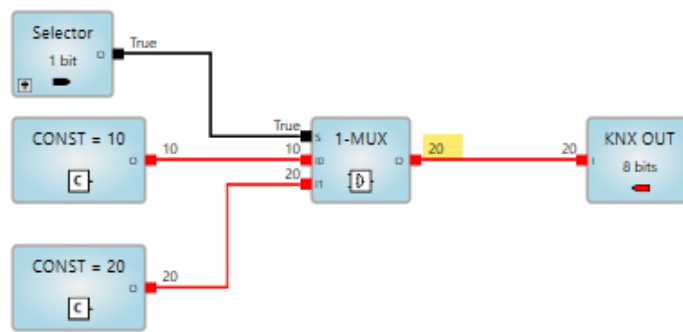
In this case, the "selector" input must function as a send trigger. This means that the output sends every time a value is received at the selector input.

Note:

In the simulation, the actual value at the output is displayed correctly, but not

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necessarily calculated. This can be seen by whether the output value lights up red or not.



For better control, the simulation speed can be adjusted.

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