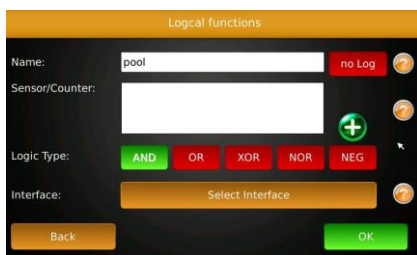


# Logical functions

If you want to link multiple components with each other, then you need to consider following:

- Go to „Controls“ in „Device configuration“. Create a new control function with the green plus
- Go to „Logical functions“.



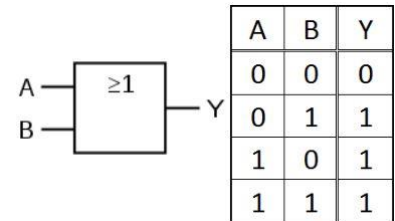
- Enter a name e.g.: pool.
- At „Sensor/Counter“ press on the green plus. Now you can link already existing function components with each other. In this case, it is a weekly timer that should be active on three different timespans.
- Select at „Logic type“ e.g.: „OR“.

That means, that the selected „Interface“ is triggered 3 times on each day of the weekly timer.

Explanation of the logical gates:

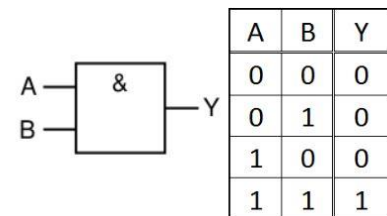
## OR-Function

A OR-gate is a gate with multiple inputs and one output. The output is only „1“ when a minimum of one input is „1“ as well.



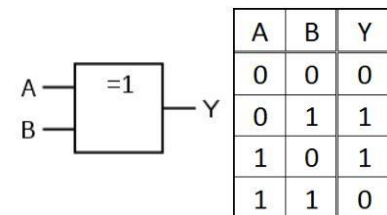
## AND-Function

A AND-gate is a gate with multiple inputs and one output. The output is only „1“ when all inputs are „1“.



## XOR-Function

A XOR-gate is a gate with multiple inputs and one output. This output is only „1“, when exactly one of the inputs is „1“ and the rest is „0“.



## NOR-Function

A NOR-gate is a logical gate with multiple inputs and one output. The output is only „1“, when all inputs are „0“.

