Digital Logic
Day 2

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now you try

XOR GATE

A XOR gate has two inputs and one output. It only on if the inputs are different.

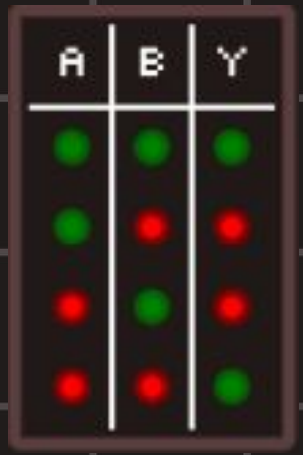
Click the + icon to place components down.

Click the play button to run the tests. If your circuit is correct, it should pass 4/4 tests.

now you try

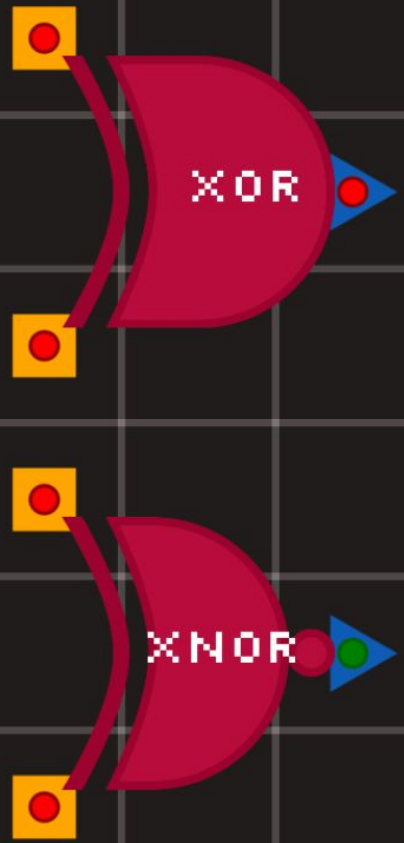
XNOR GATE

A XNOR gate has two inputs and one output. It is the inversion of the XOR gate, just like how NAND inverts AND and NOR inverts OR.



Challenge

- In the final level, you have 8 inputs. You should only output **ON** if an **ODD** number of inputs are on.
- For example, if only 1 input is **ON**, output **ON**, since 1 is odd. If 4 inputs are **ON** output **OFF**. The order of the inputs do not matter.



Solutions:

uarch.space/solutions/day2.pdf