

- The *XOR* (*exclusive-OR*) gate acts in the same way as the logical "either/or." The output is "true" if either, but not both, of the inputs are "true."
- The output is "false" if both inputs are "false" or if both inputs are "true."
- Another way of looking at this circuit is to observe that the output is 1 if the inputs are different, but 0 if the inputs are the same.

