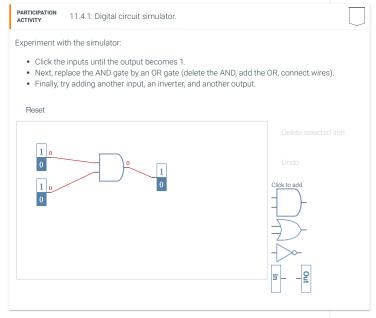
## 11.4 Digital circuit simulator

This material uses a simple browser-based digital circuit simulator.



Adding an item, like a gate, to a circuit is called *instantiating* an item. An instantiated circuit item, like a specific AND gate, is called an *instance*.

PARTICIPATION ACTIVITY 11.4.2: Digital circuit simulator.	
Setting an input value to 0 or 1 is done by clicking on the input box.  O True	
O False	
2) Instantiating a new gate is done by clicking on a right-side gate symbol.  O True  O False	
3) Deleting a gate is done by dragging the gate to a garbage can.  O True  O False	
4) Wires cannot be deleted.	
O True O False	
PARTICIPATION ACTIVITY 11.4.3: Digital circuit simulator with export.	
The simulator will sometimes appear with an "Export" button. To save your circuit, click Export, then copy-paste the exported circuit text into any text file (or email message). To load a previously-saved circuit, paste the circuit text into box, and click Import.	
<ul> <li>Modify the shown circuit, then click Export, and copy-paste the circuit text into a text file.</li> <li>Reload this page, then return to here. Paste the previous circuit text into the box, and press Import to restore the circuit.</li> </ul>	
Reset	

