Circuits: black box

"Thinking outside the box."
Abstraction: sometimes we need to see the details of how a circuit is built
Other times, we only need to know what it does
Black box: represents only inputs and outputs

Example:

Conventions:
Data inputs are circled: x, y
Control inputs are written in triangles
or trapezoids: c
Outputs are squared: z0, z1
Hardwired 0's and 1's can be written as
just 0's and 1's (no shape)

Think of it like a function with arguments, parameters, and return values.
arguments: inputs
parameters: labels for inputs inside box
return values: outputs
You don't need to know how the function works in order to use it.
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