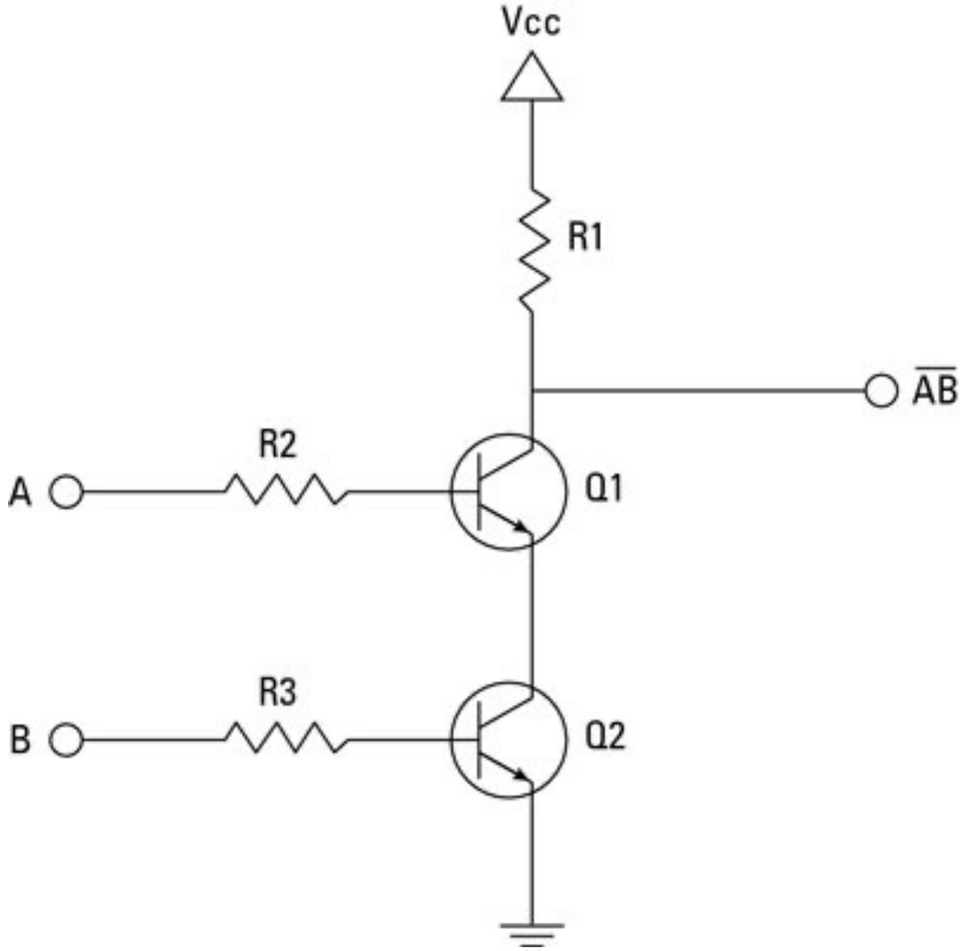
Creating NAND gates with transistors

Remember, NAND is all you need

- When both A and B have high voltage, a short circuit is created that goes directly from the voltage source to ground
  - This prevents high voltage from flowing to the output, so the output is "false" or 0
- Otherwise, no voltage can flow to ground
  - In this case, voltage to the output is high, so the output is "true" or 1



Recap: Logic gates and transistors

- Transistors use complicated chemical interactions to behave like switches
- We can use these switches to create NAND gates
- We can use NAND gates to create all other types of logic gates

Next: using logic gates to store values