

11/18/15

Mr. Bregar started class by showing everyone how to utilize the rails (the strips of holes on a breadboard (BB) mark with either a "+" or a "-").

To do this:

1. Make sure the power supply is off.
2. Connect a jumper from the power supply positive terminal to one of the rails on the BB marked "+".
3. Connect a second jumper from the power supply positive terminal to the rail on the BB marked "-".
4. Run a jumper (or a wire from a component like a resistor) from the "+" rail to any column.
5. Use the numbered columns to create your circuit.

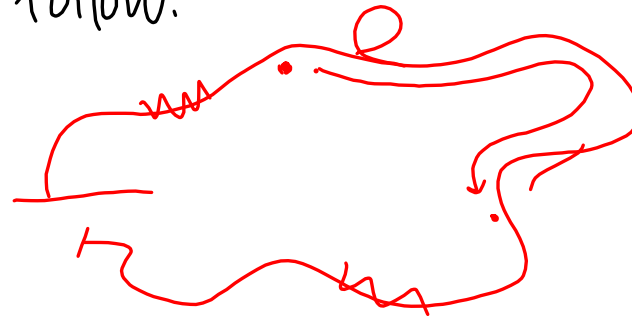
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FOR TODAY:

- 1) USE THE BB, JUMPERS, & YOUR 3 RESISTORS TO MAKE THE LAST CIRCUIT OF THE LAB ACTIVITY (THE ONE WITH 3 RESISTORS IN SERIES).
- 2) HAVE MR K OR MR B CHECK YOU OFF.
- 3) REPEAT MEASUREMENTS OF RESISTANCE, VOLTAGE, & CURRENT FOR EACH RESISTOR.
- 4) HAVE MR. K OR MR. B CHECK YOUR TABLE OF MEASUREMENTS.
- 5) DO #4 ON THE LAB USING YOUR BREADBOARD. HAVE MR. B OR MR. K CHECK YOUR CIRCUIT BEFORE TURNING ON THE POWER.
- 6) @ END OF DAY, TURN YOUR WORK IN EVEN IF YOU ARE NOT DONE.
- 7) P.S. & DMM NEED TO BE PUT AWAY CORRECTLY.

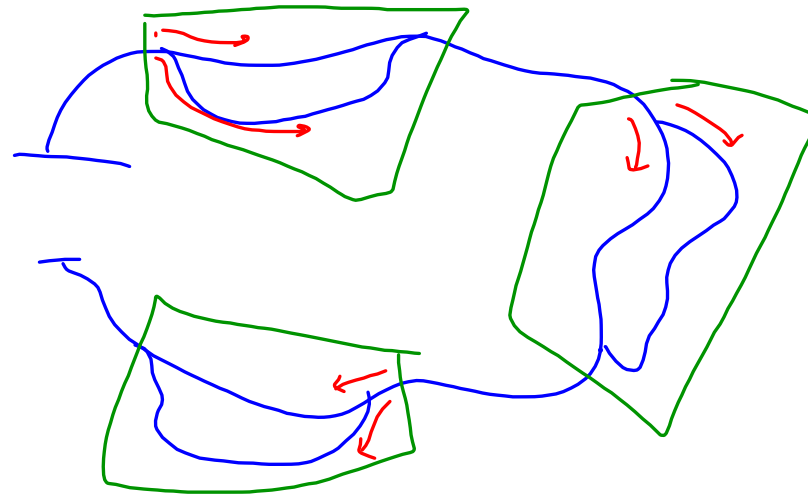
Series:

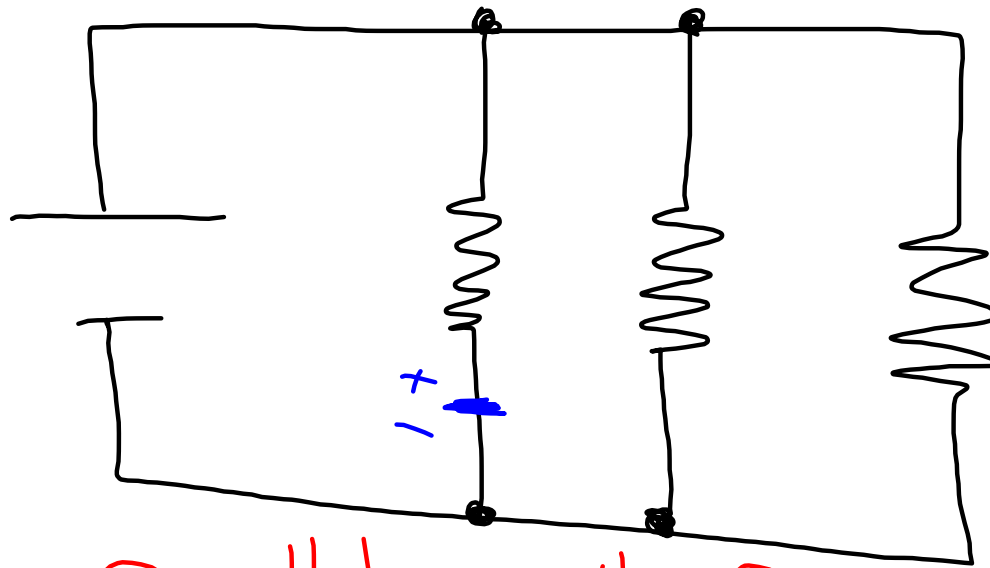
Current only has one path to follow.



Parallel:

Current has multiple paths





① Resistance
(all circuits
broken)

② Voltage

③ Current:
isolate the
subcircuit

parallel circuit - 3 resistors