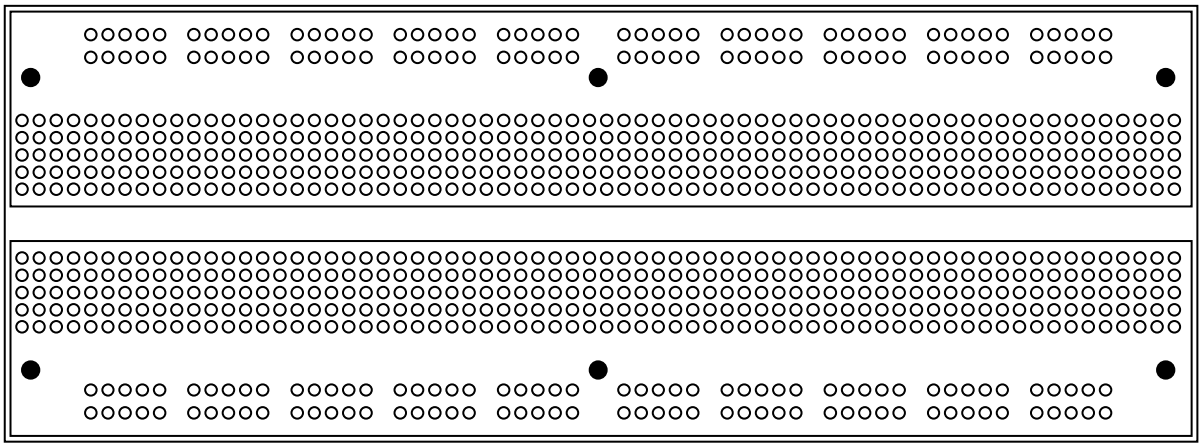
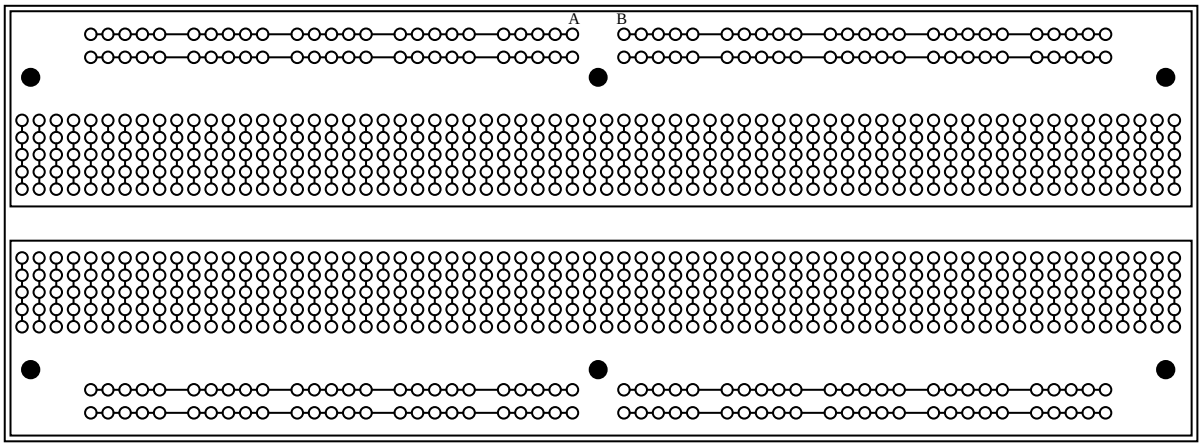


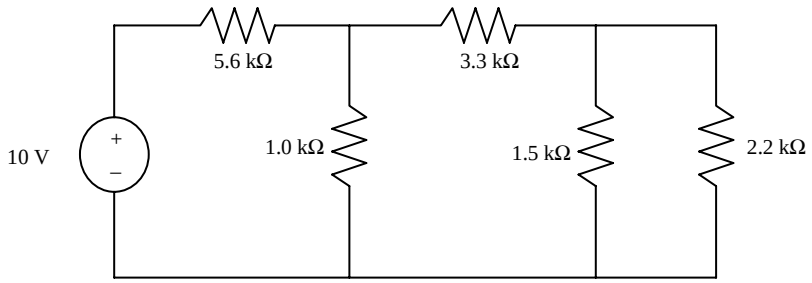
SK-10 Solderless Breadboard (or equivalent)

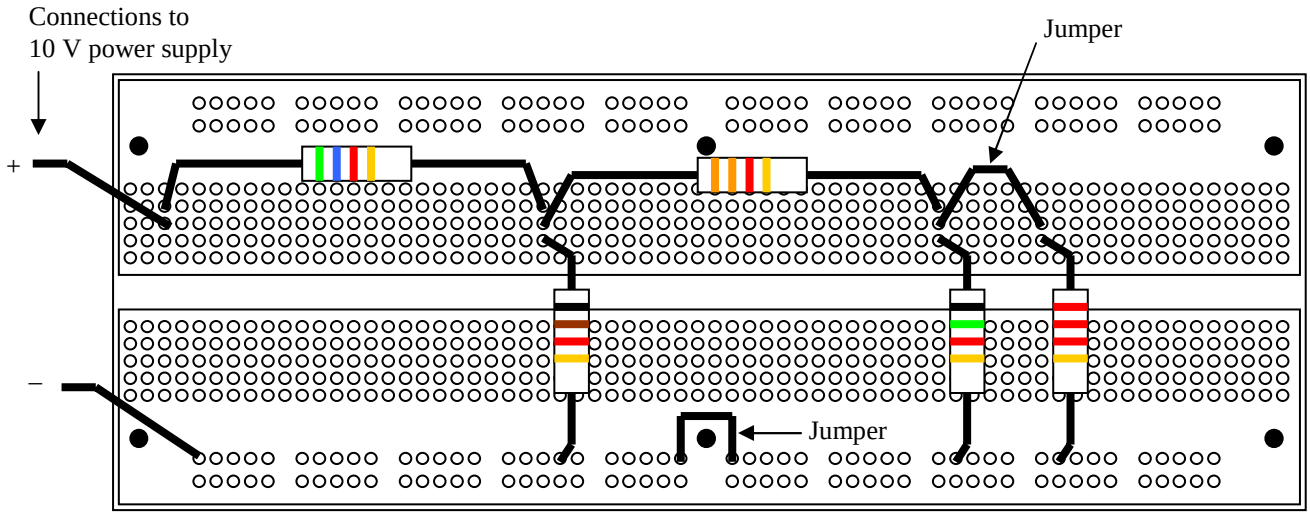


Internal Connections on the SK-10 Solderless Breadboard

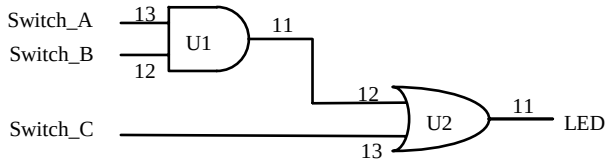
Notes:
1) Lines indicate which holes are connected under the breadboard.
2) To connect two or more wires together, plug them in the same row of holes.
3) Holes A and B are connected on some breadboards (as well as the similar holes on the other horizontal rows).

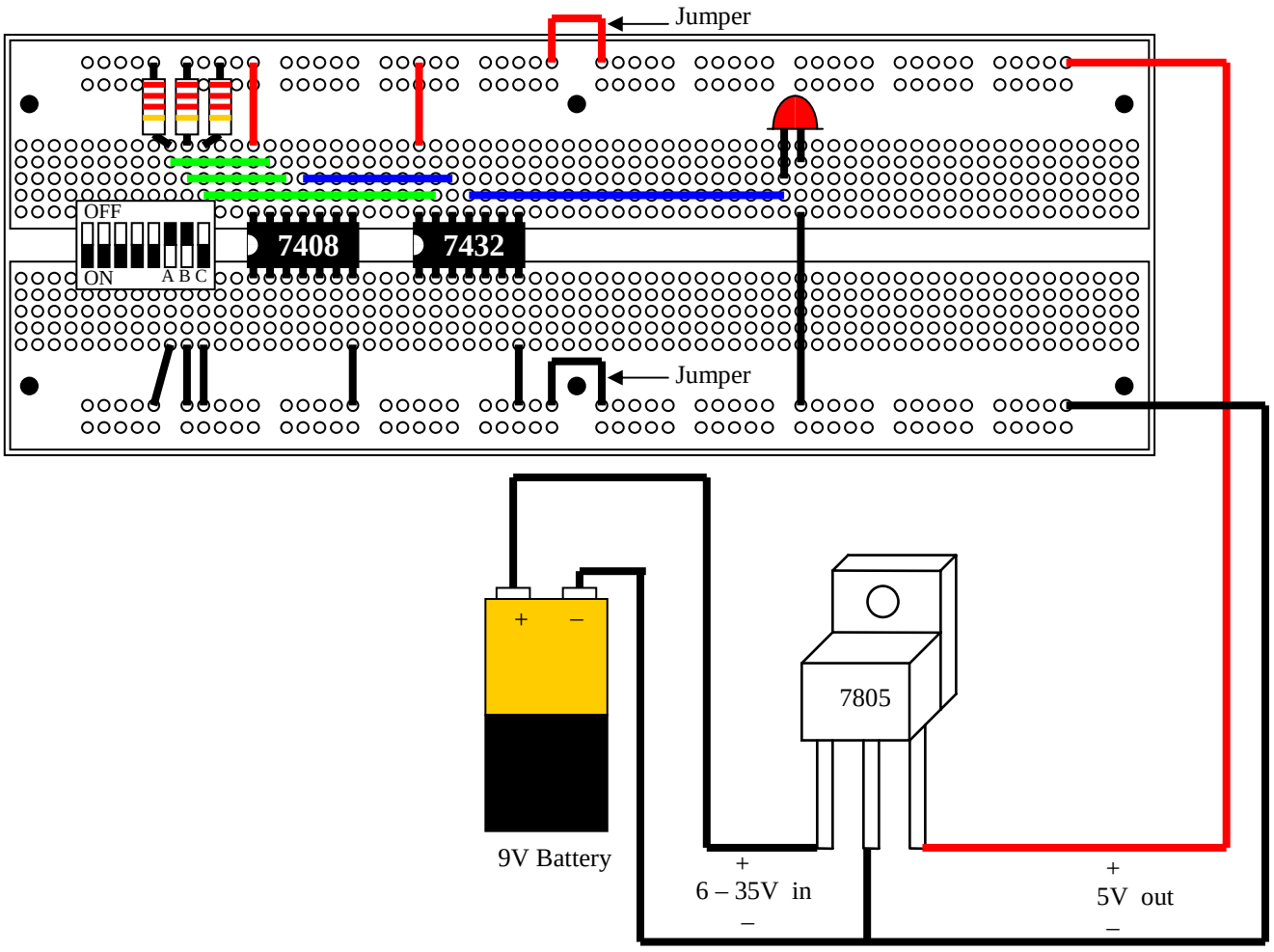
Example: Connect the following circuit using the SK-10 solderless breadboard.





Example: Connect the following circuit using the SK-10 solderless breadboard.





7805 5V Regulator

Notes:

1) The DIP switch operates as follows:
   ON – Provides a logical 0 (LOW). Closed switch makes connection to ground.
   OFF – Provides a logical 1 (HIGH). Open switch provides 5V through the 2.2k resistor.
   (It is often useful to install the switch ***upside down*** so that ON (LOW) is on the bottom.)
2) The switch positions shown above (darkened) provide an input of 110 causing the red LED to light indicating that the output is logical 1 (HIGH).
3) Cutting wires to length and using a wire color scheme makes for a neat circuit that is easy to troubleshoot. In the circuit above the following color scheme was used:
   RED – 5V
   BLACK – Ground (0V)
   GREEN – Switch connections
   BLUE – Other connections