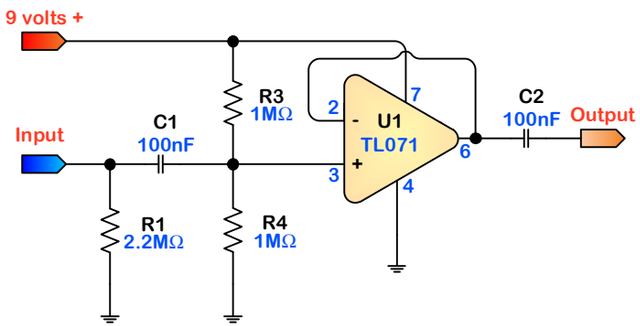
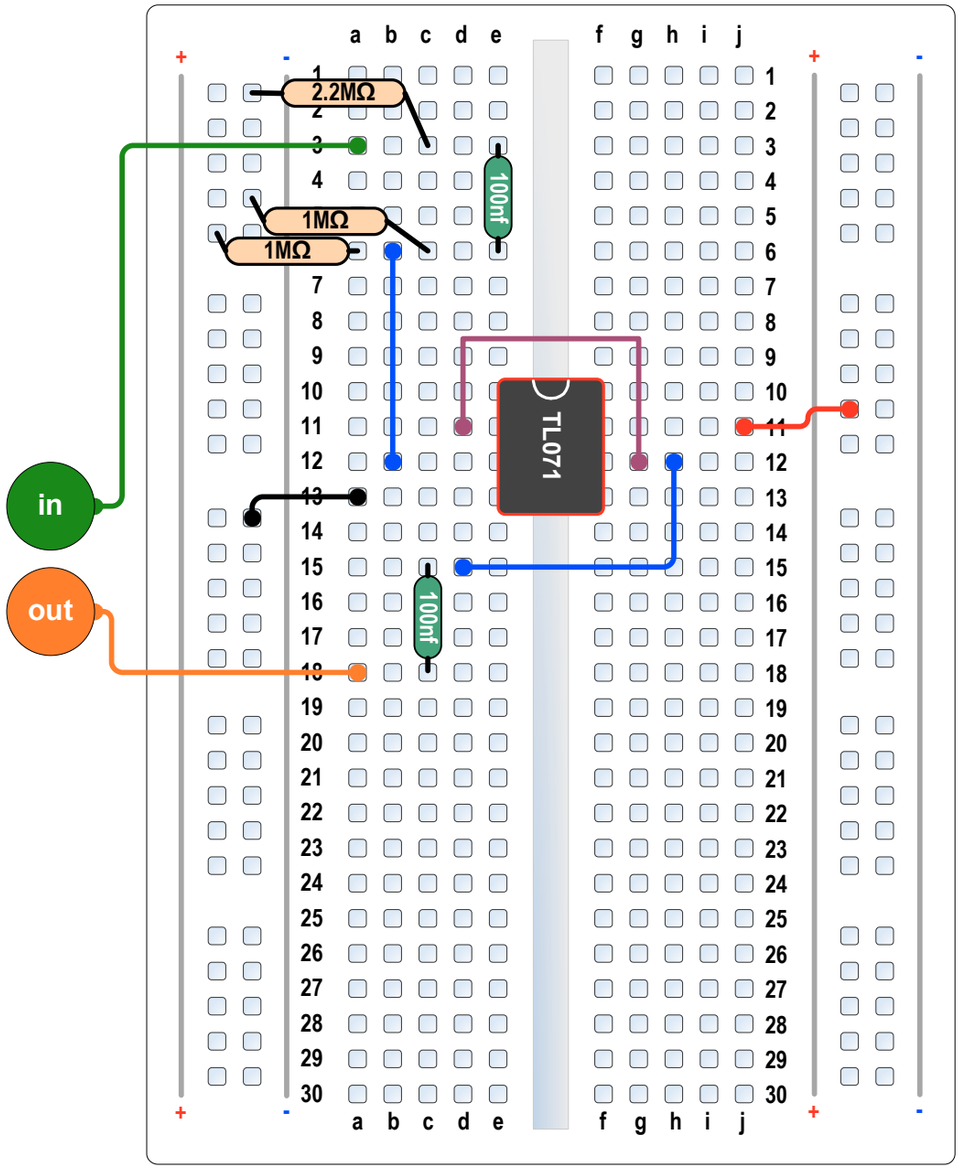
IC Buffer

Buffers are useful simple circuits—they work to match the signal level between different things. Like the low output pickups in your guitar and some other circuit. They also boost the signal so it travels better through long things like a long cable or a bunch of pedals. Most of us prefer true-bypass pedals which get rid of the buffer. But often, having a single buffer at the beginning or end of your chain can help restore some treble and make your rig sound a little better. The only way to know it to try it! This buffer is from a Jack Orman design (http://www.muzique.com/lab/buffers.htm). It uses a single operational amplifier and few other components to make a unity-gain buffer. Unity gain means that there is no increase in gain, it just buffers things.



Mods!

- You can increase the amount of headroom (how loud you can go before the signal starts to clip/overdrive) by increasing the input voltage. If you have a 12 volt DC adaptor, plug that in to experiment.
- Try different types of single opamps to see if you can hear a difference in the tone. The LM741 and TL071 can both be used in this circuit and have an identical pinout.



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