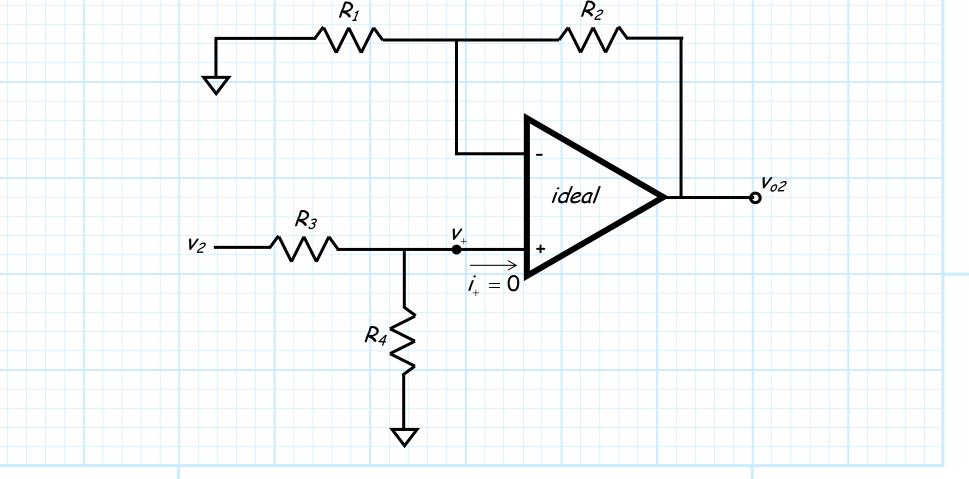
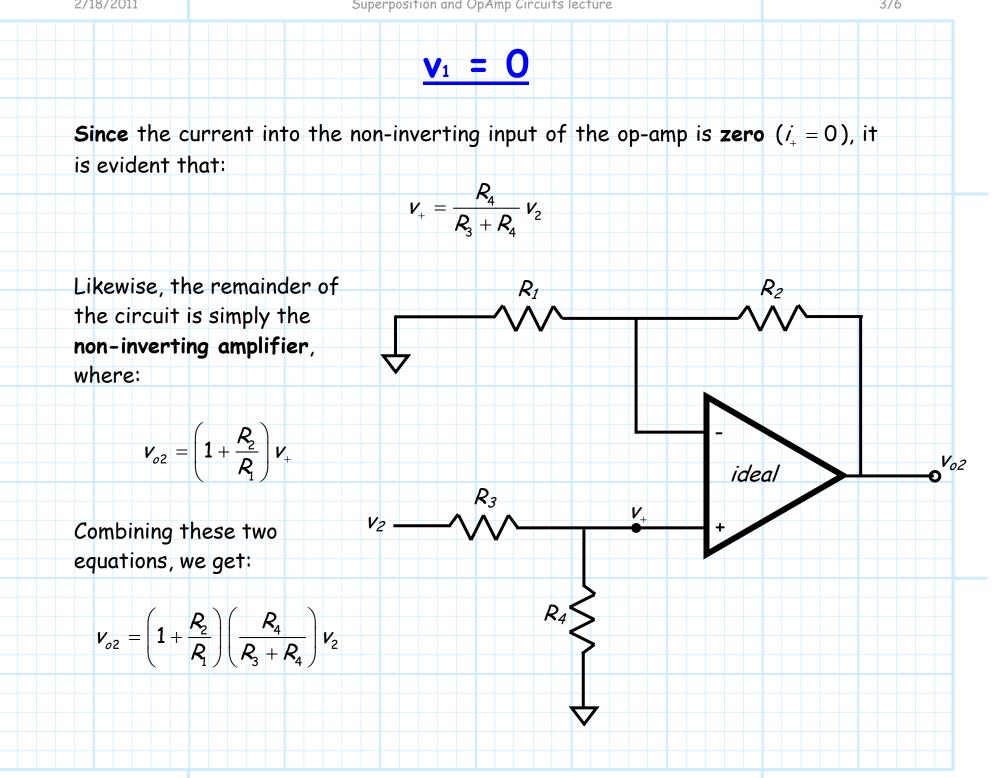


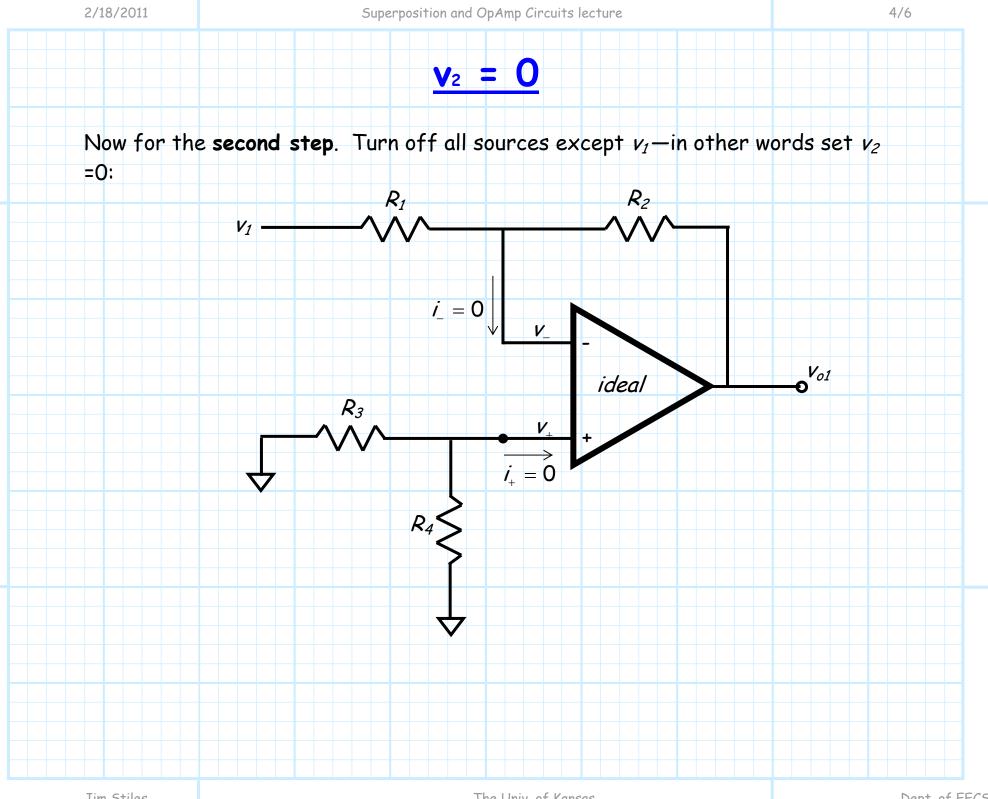
Apply superpostion

The **easiest** way to analyze this circuit is to apply **superposition**! Recall that opamp circuits are **linear**, so superposition applies.

Our first step is to set all sources to zero, except v_2 —in other words, set v_1 =0 (connect it to ground potential):





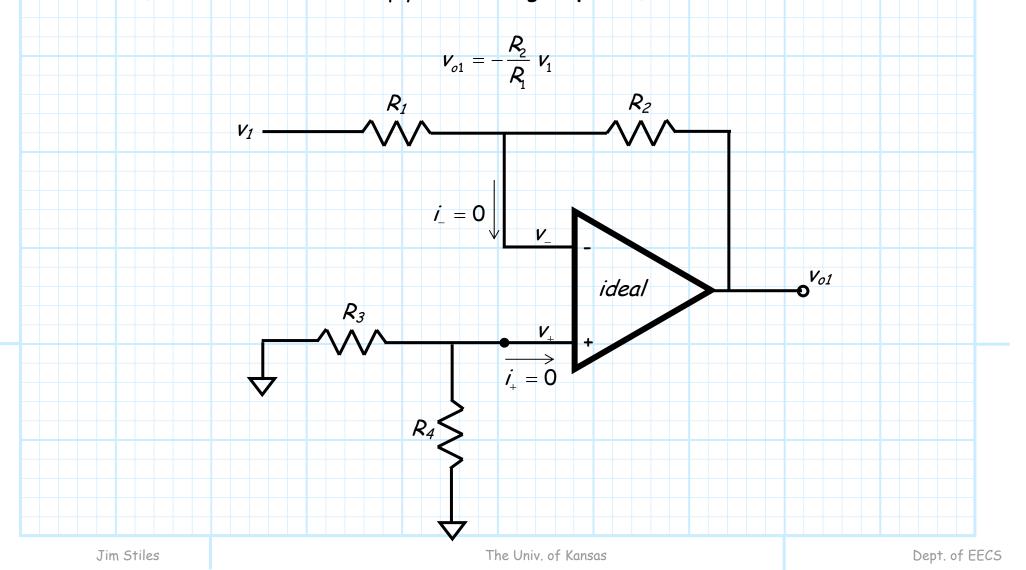


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An inverting amp

It is evident that the since the current into the non-inverting terminal of the op-amp is zero, the voltage v_{+} is likewise zero.

Thus, the circuit above is simply an inverting amplifier, where:



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