

Op-amp circuit help

Source: <http://sci.tech-archive.net/Archive/sci.electronics.basics/2008-02/msg00455.html>

- *From:* reginald.louis@xxxxxxxxx
 - *Date:* Fri, 15 Feb 2008 12:12:11 -0800 (PST)
-

Hi everyone. I have a simple need, but don't know how to do it.

Let's call the input signal V_i and the 1st output V_{o1} and 2nd output V_{o2} . Here's a simple table of the relation I want from V_i to V_{o1} and V_{o2}

V_i swing from 0V to 5V

V_{o1} must swing from 0V to 10V

V_{o2} must swing from 10V to 0V (so V_{o2} is the *inverse* of V_{o1})

The circuit for $V_i \rightarrow V_{o1}$ is a simple non-inverting op-amp with a gain of 2. But I don't know how to made the circuit for $V_i \rightarrow V_{o2}$

Any idea?

.