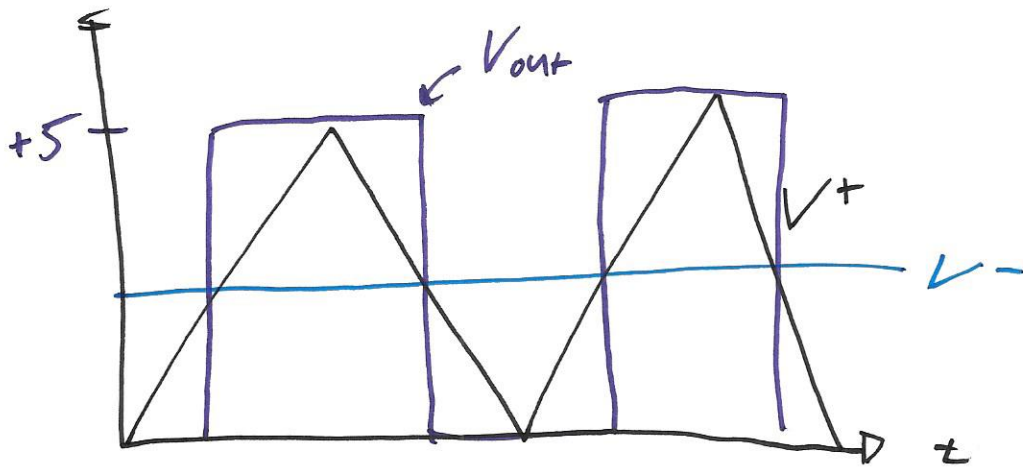
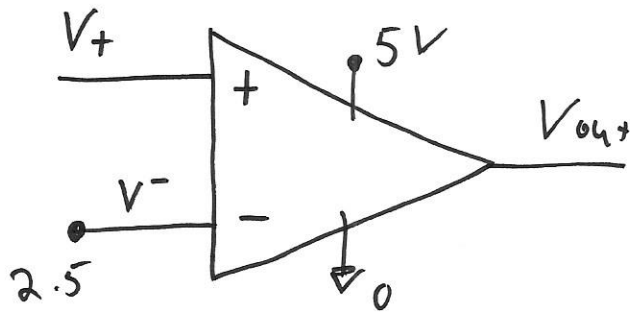


Review



Show in real time.

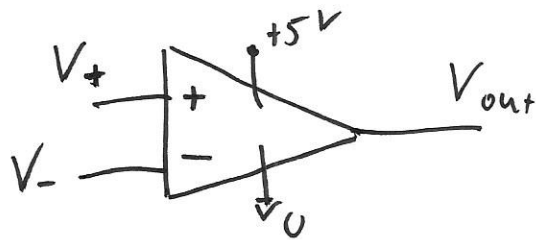
Set V^- w1 w2, DC = 2.5V

V^+ w1 w1, Ramp, 2.5V off,
2.5V amp.

Show X-Y Plot.

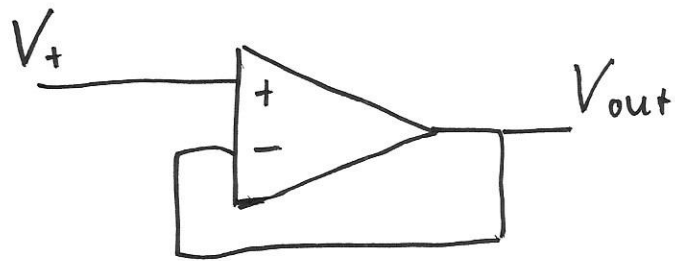
Rules

- 1) Inputs draw no current; $I_+ = I_- = 0$
- 2) $V_+ = V_-$ if $0 < V_{out} < 5$



- 3) Negative feedback required for a stable circuit.

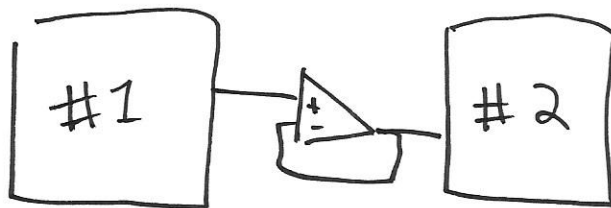
Follower



$$V_+ = V_{out}$$

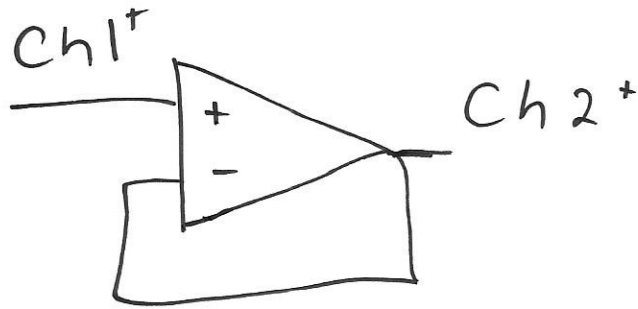
$$I_+ = 0$$

Used as a buffer to isolate two circuits



Demo

Sine Off = 2.5V
Amp = 1V



1 kHz (Show X-Y)

10 kHz

100 kHz

200 kHz

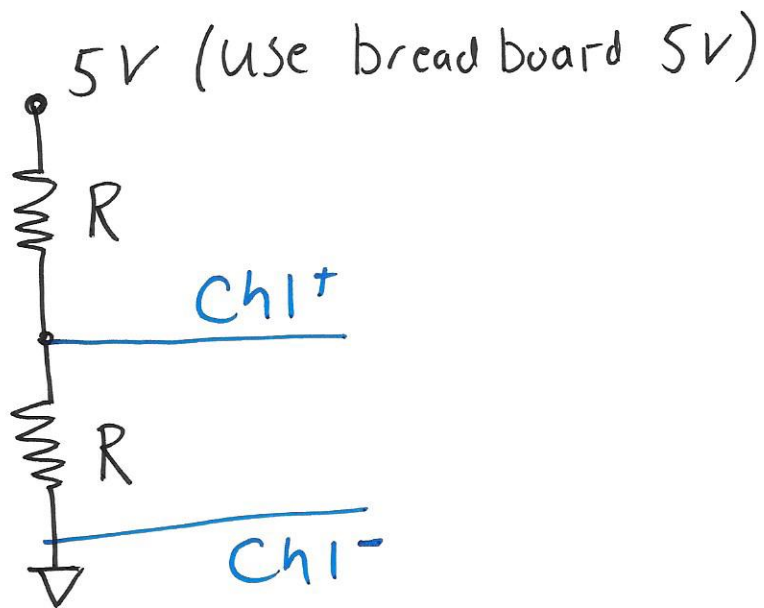
← ~~to~~ follower ability

Show Bode plot

Rules

- 1) Inputs draw no Current
- 2) $V_+ = V_-$ if $0 < V_{out} < 5$
- 3) Negative feedback required for a stable circuit.
- 4) For #2 to be true, Need to be under ~ 100 kHz. #2 is a quasi-steady assumption.

Build this



Write your result on the board

Now build this

