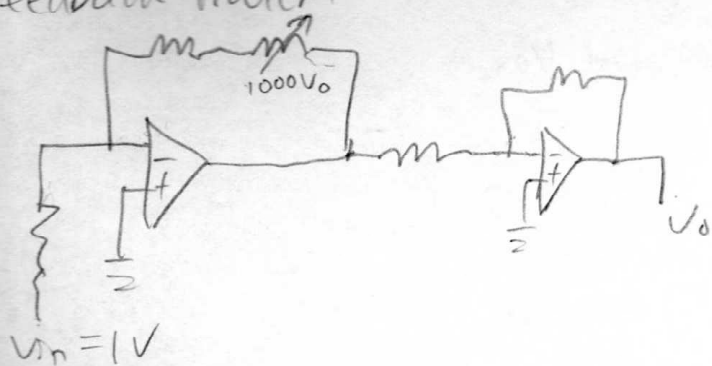


Feedback Problem



All resistors are $1k\Omega$ -

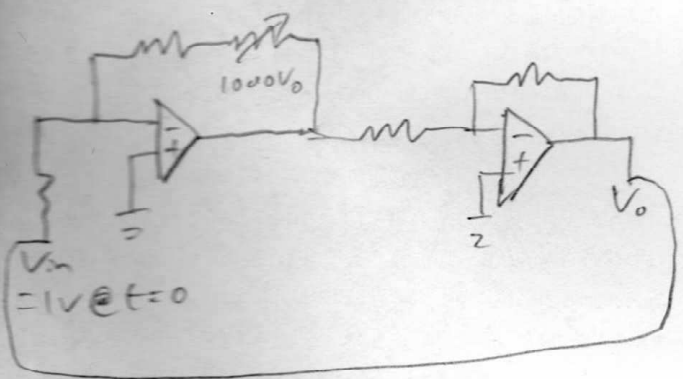
Pot varies with V_o , limited to $0 - 10k\Omega$

Assume a small time Δ for the change in V_o to propagate to the pot.

$V_o(0) = 0V$

Graph the output $V_o(t)$

Feedback Problem Revisited



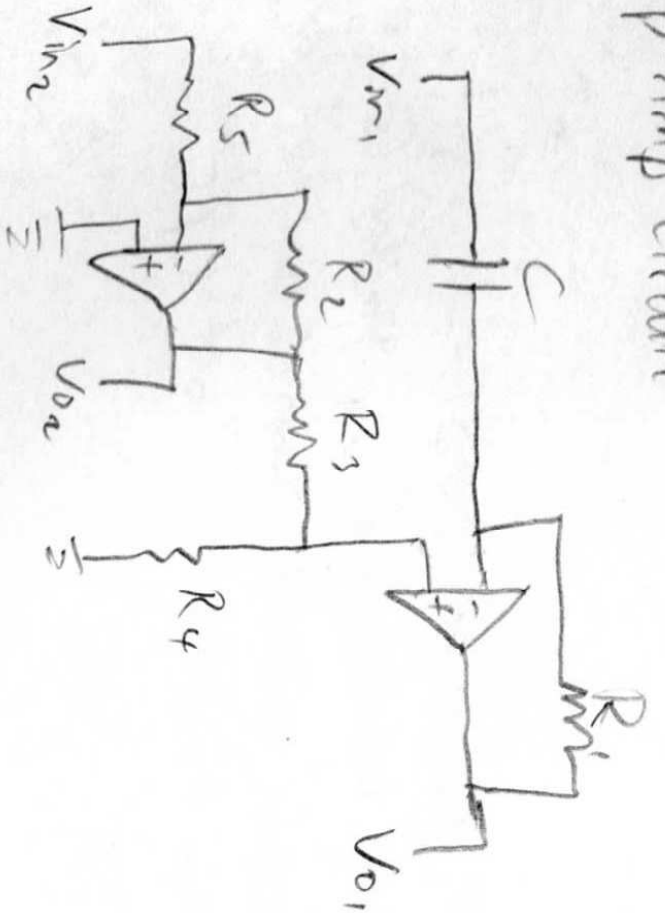
Same circuit as last time except that the output is piped back to the input.

Initial $V_{in} = 1V$ b/c $V_{in} = V_o$
 $V_o = 1V$

Graph the output $V_o(t)$.

Assume propagation delay Δ for V_o affecting the pot and for V_o to circle around to the input.

Big Op-Amp Circuit



Find an expression for V_{o1} and V_{o2}