

First, we verify that negative feedback is present.

According to the summing - point constraint:

$$\tilde{V}_1 = \frac{Vin}{R_1} = \frac{SV}{1k\Omega} = SmA$$

12= 11 = 5mA

Writing a voltage equation around the loop that includes the output terminals, the resistor  $R_2$ , and the op-amp input terminals:

$$\tilde{l}_0 = \frac{V_0}{R_I} = \frac{-SOV}{IRL} = -SOMA$$

Rcl: