

FIG 13:

* BECAUSE FOR FIGURE 11 I CHOSE $V_{S1} = 200\text{mV}$, I WILL HAVE THE SAME GAIN AS IN THAT PART.

$$A_d = -4.68\text{V/V}$$

ALSO, CURRENT WILL BE THE SAME SO I CAN CALCULATE I_{REF} .

$$I_{TAIL} = 348\mu\text{A} = I_{REF}$$

$$V_{ov} = 200\text{mV}$$