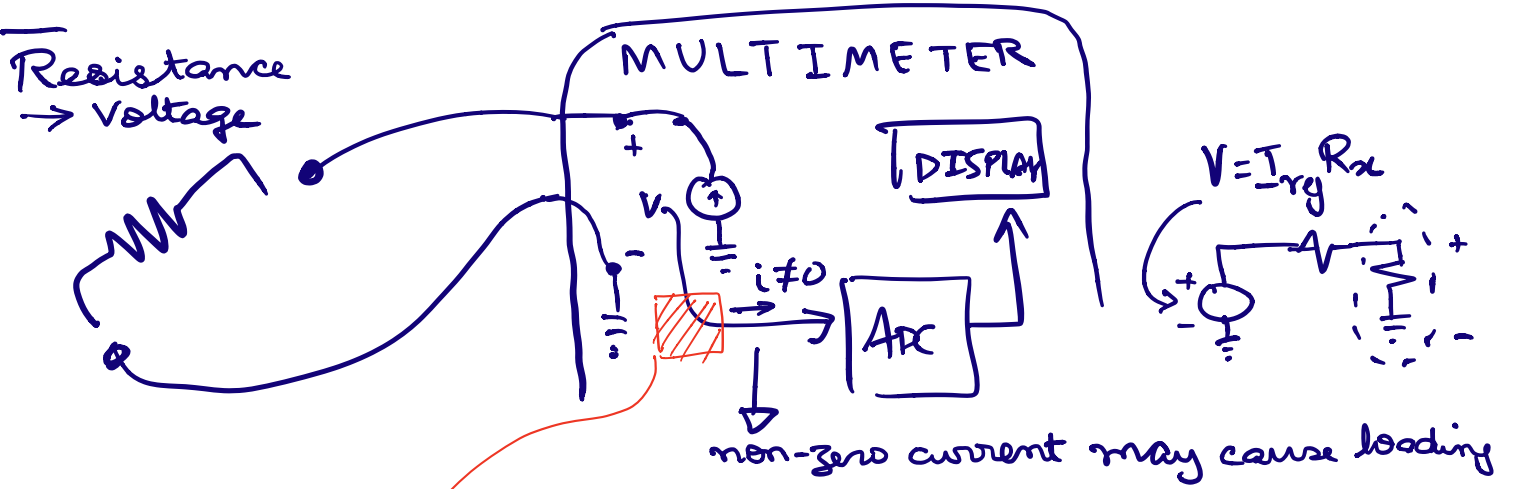
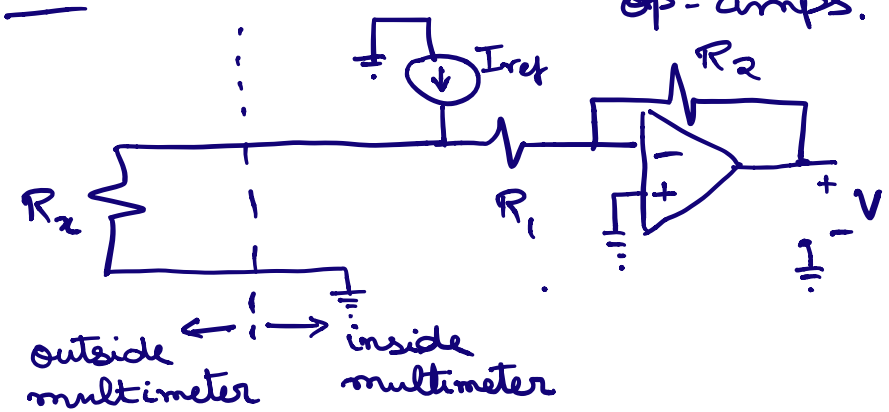


Resistance
→ Voltage



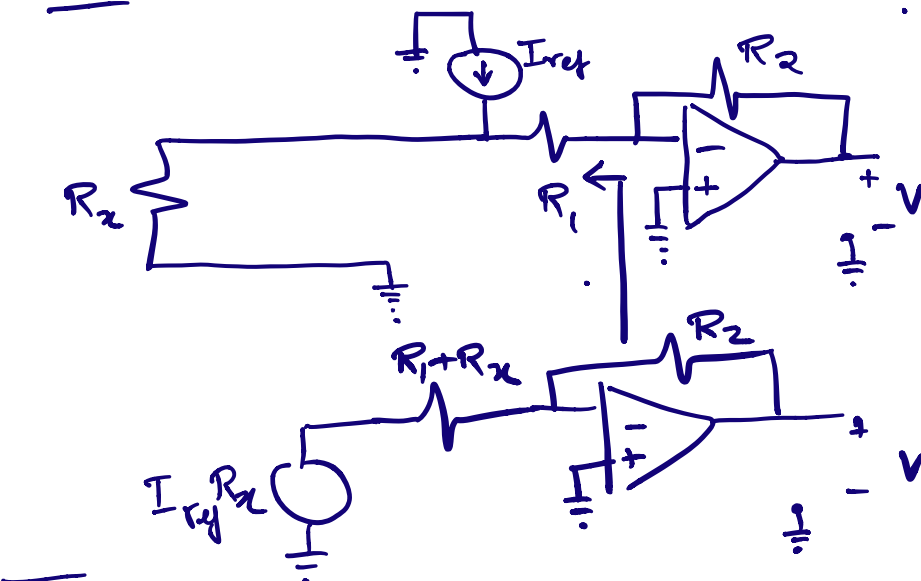
To reduce this loading effect, some options can be tried

↳ other circuit involving op-amps.



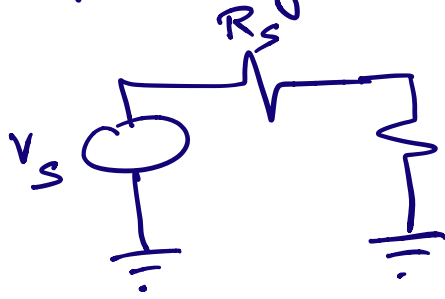
→ to ADC etc.
active device, op-amp,
used to minimize
the effect of loading.

How is V dependent on R_x ?



$$V = \frac{-R_2}{R_1 + R_x} I_{ref} R_x$$

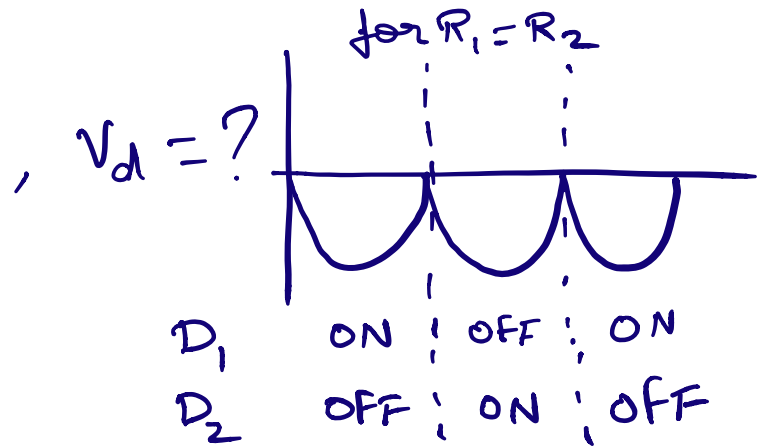
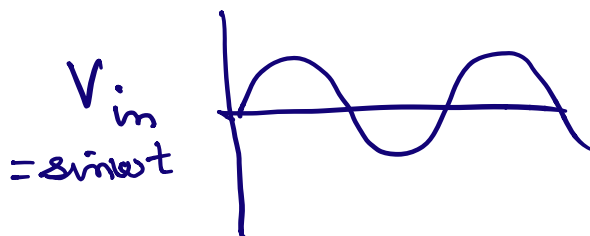
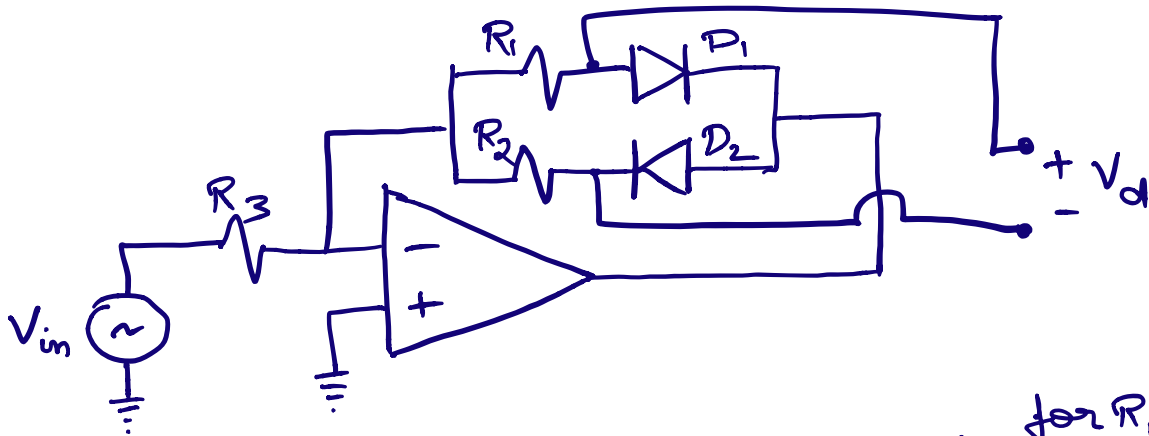
Loading.



$$V_L = \frac{R_L}{R_L + R_S} \cdot V_S$$

if R_S is larger, V_S deviates more from R_L .

ac voltage \rightarrow dc voltage ?



Q: When D_1 ON, D_2 OFF, where is current through R_1 going?