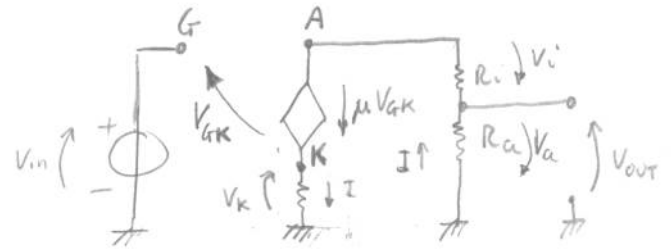
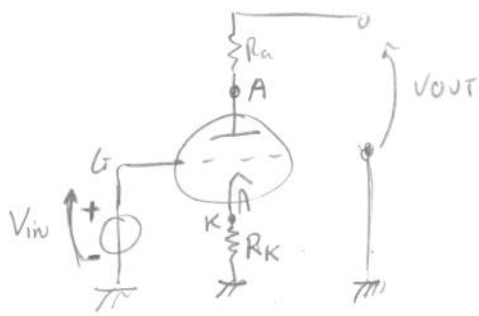


CATODO COMUNE

CALCOLO GUADAGNO



$$V_{in} = V_{GK} + V_K = V_{GK} + R_K \mu V_{GK} = V_{GK} (1 + \mu R_K)$$

$$V_{OUT} = -V_a = -R_a \mu V_{GK}$$

$$\frac{V_{OUT}}{V_{in}} = - \frac{R_a \mu V_{GK}}{V_{GK} (1 + \mu R_K)} = - \frac{\mu R_a}{1 + \mu R_K}$$

$$\lim_{\mu \rightarrow \infty} \frac{V_{OUT}}{V_{in}} = - \frac{R_a}{R_K}$$