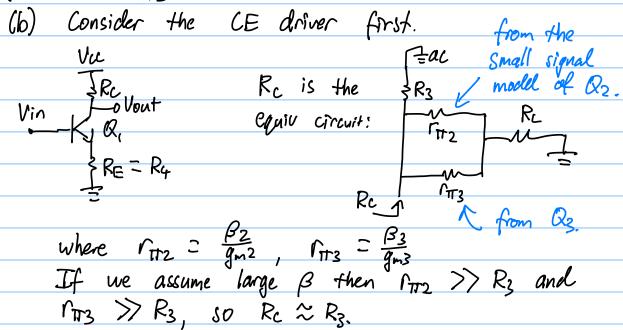


(a) Class AB



... The gain of this first staye is $Av_1 \approx \frac{-R_3}{g_{mi}^4 + R_4}$ With high bias current (large g_m), $Av_1 \approx \frac{-R_3}{R_4}$ The following stage is a follower with gain ≈ 1 so $\frac{-R_3}{R_4}$ is a rough intuitive expression for the gain.