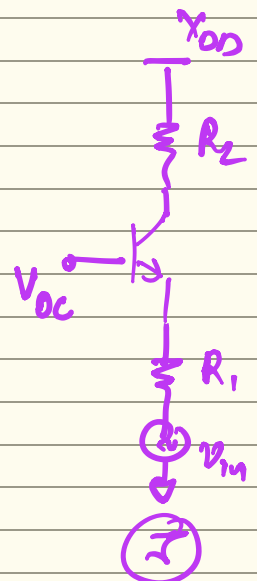
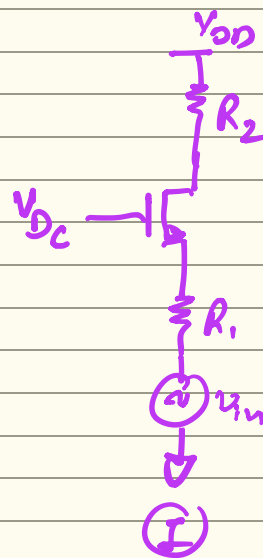
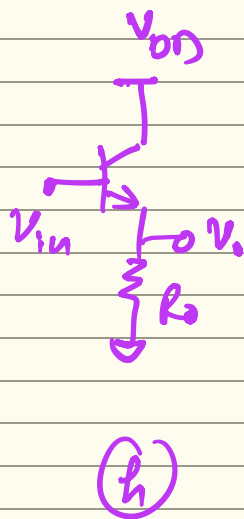
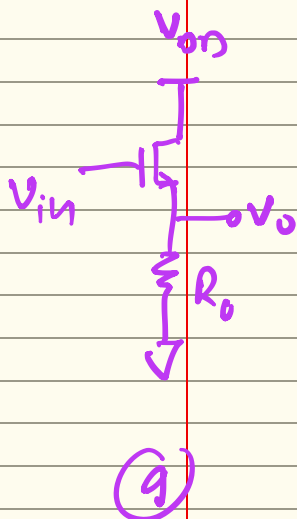
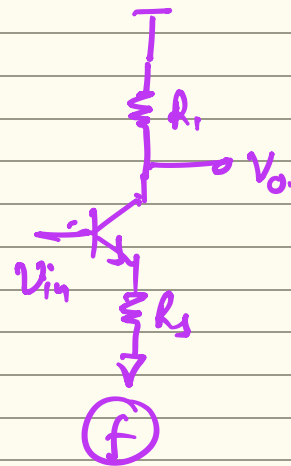
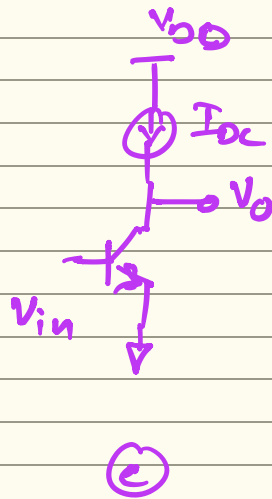
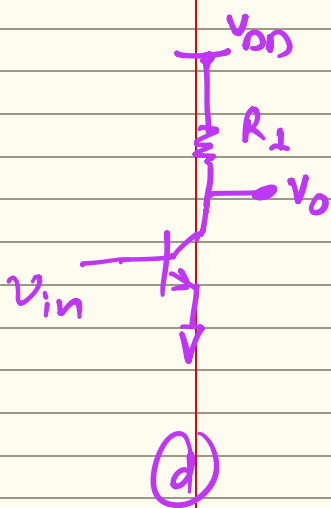
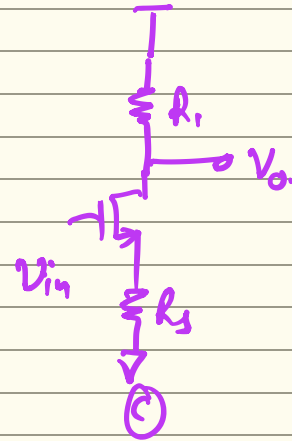
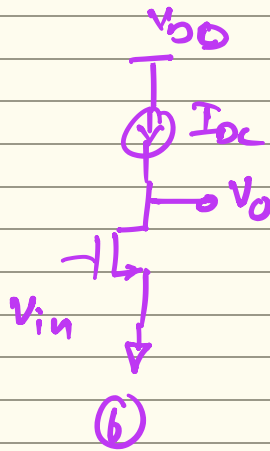
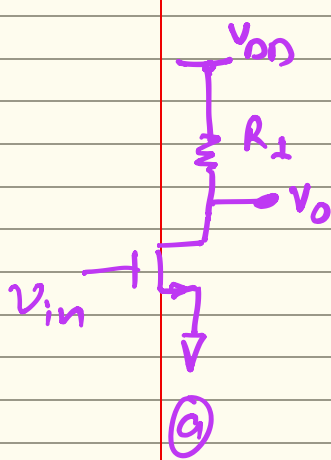
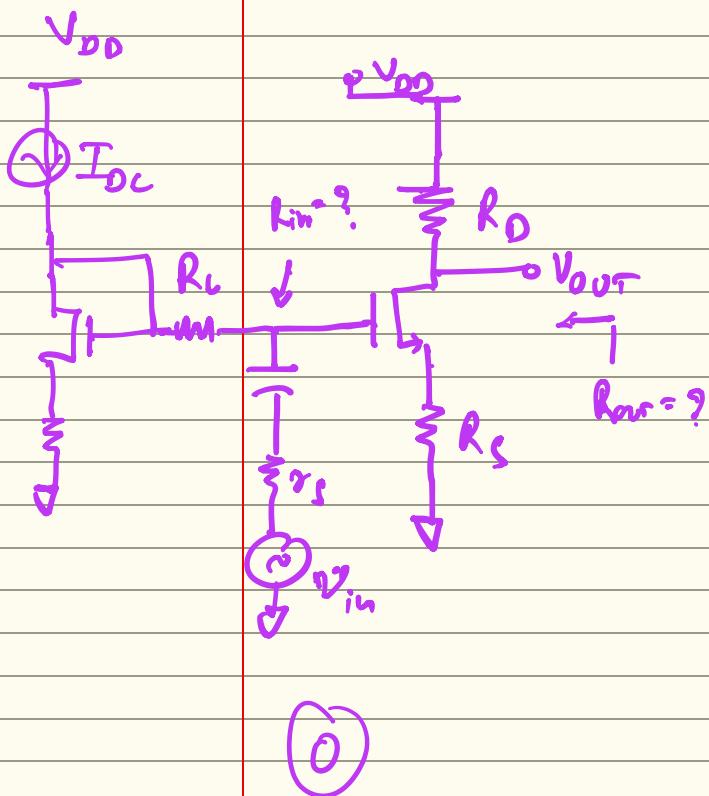
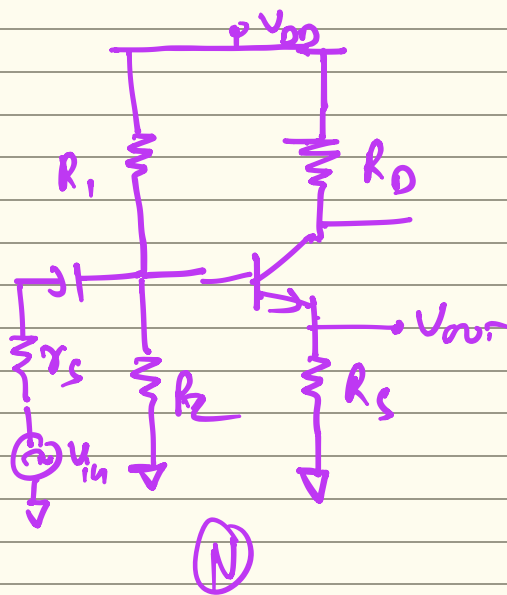
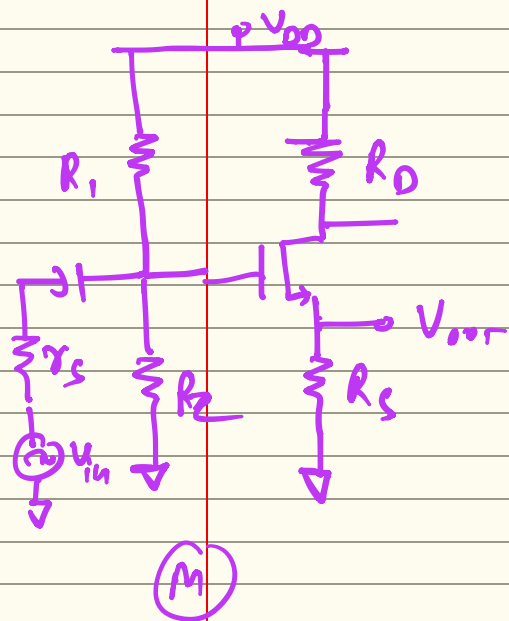
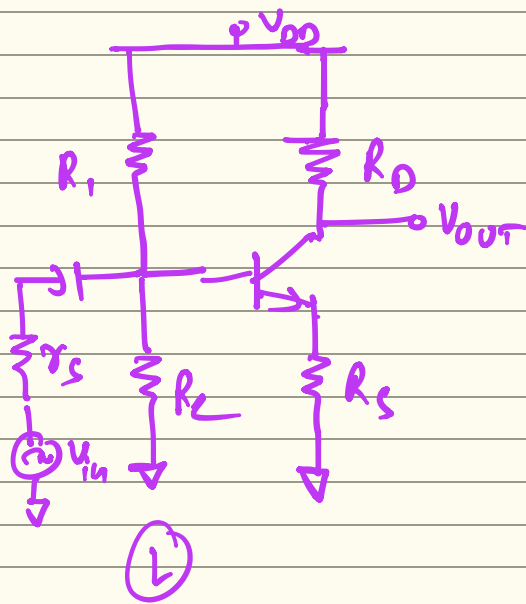
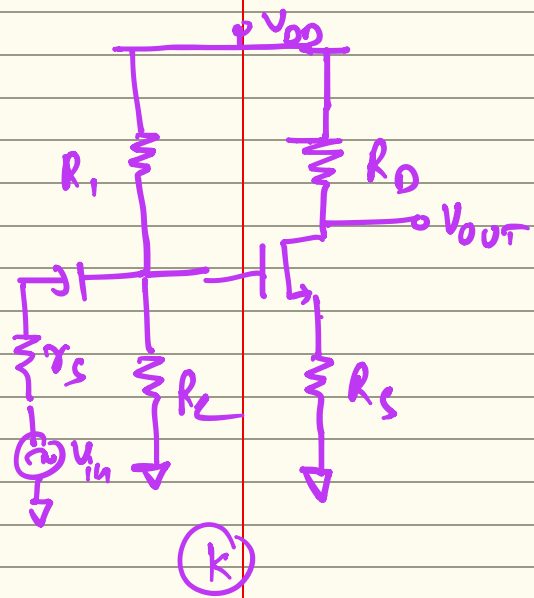


Assignment # 2

Q. 1 → Find i/p impedance, o/p impedance & small signal vol. gain for the following Circuits:-



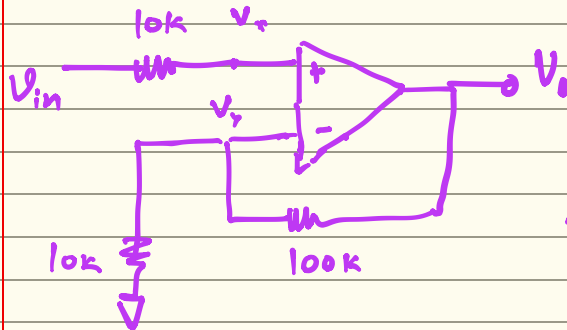


Q.2

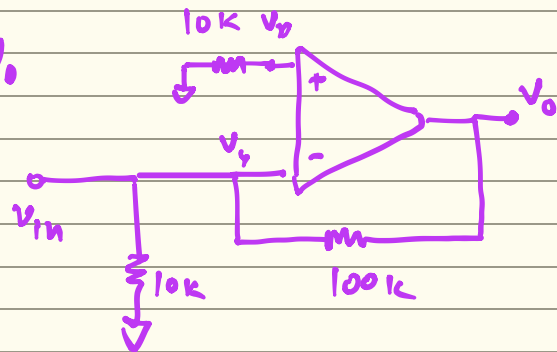
Find the error in the Vol. gain by considering Virtual short b/w V_x & V_y in the following circuit for

- (i) $A = 10$, (ii) $A = 100$, (iii) $A = 1000$ (iv) $A = 10^4$

$A =$ Small signal open loop gain. $= V_o / (V_x - V_y)$



(a)



(b)

Q.3 →

Find i/p & o/p impedance for above (a) & (b) Circuits.

Consider following model of the opamp

