FETAmps
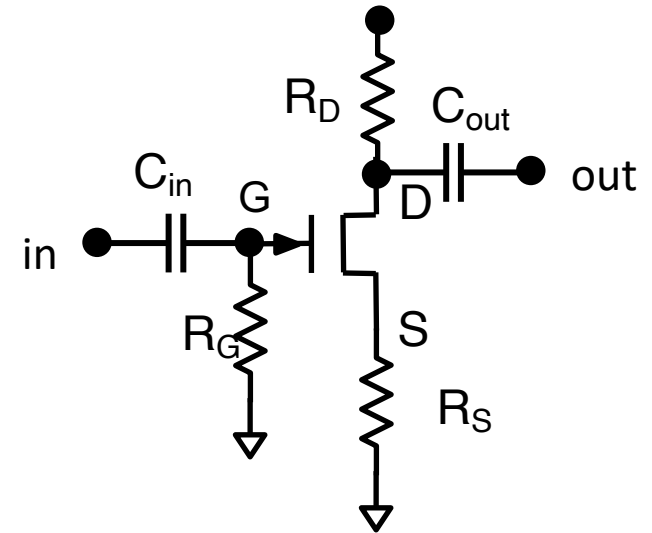

- Common Source

1. $V_{DD} = 12v, i_{DSS} = 35mA, V_p = -3v$
2. $A_V = 10, i_{DQ} = 10mA$
3. $R_S = -\frac{V_P}{i_{DQ}}(1 - \sqrt{\frac{i_{DQ}}{i_{DSS}}})$ = 139 (say 150Ω)
4. $A_V = -\frac{R_D}{R_S}, R_D = 1,500Ω$

- Common Drain