Electronics II
Problem sheet 4
Frequency analysis

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MIEET 3º ano
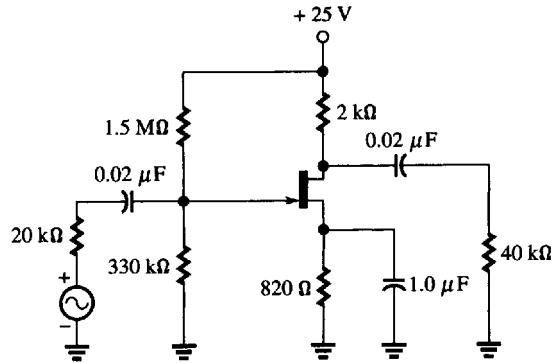
$R_i = 20$ kΩ, $R_L = 40$ kΩ, $R_{G1} = 330$ kΩ, $R_{G2} = 1.5$ MΩ, $R_D = 2$ kΩ, $R_S = 820$ Ω,
$C_i = C_L = 20$ nF, $C_S = 1$ μF, $C_{gs} = 4$ pF, $C_{ds} = 0.5$ pF, $C_{gd} = 1.2$ pF,

a) Determine the mid-frequency gain of the complete circuit.
b) Schematically draw Bode plots of the behavior of the circuit in terms of frequency.