Nolan Anderson Quiz 02 09/08/2020

EE 315

$$\Omega_1 = 100 \text{ k} \Omega$$

$$\Omega_2 = 400 \text{ k} \Omega$$

$$\Omega_1 = 100 \text{ k} \Omega$$

$$\Omega_2 = 100 \text{ k} \Omega$$

$$\Omega_3 = 100 \text{ k} \Omega$$

$$\Omega_4 = 100 \text{ k} \Omega$$

$$\Omega_4 = 100 \text{ k} \Omega$$

$$\frac{R_z}{ImA} V = IR$$

$$V = (ImA)(400kJ2)$$

$$(1410^{-3})(400x10^3) = 4000$$

(1x 10-3) (400x103) (400V

2.) 2,= 10ks

$$V_{T} = V_{T} \left( \frac{us}{ss} \right) \quad \frac{v_{0}}{v_{t}} = \left( 1 + \frac{2so}{so} \right)$$

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$$\frac{N_{b}}{N_{L}} = \left(\frac{45}{55}\right) \left(1 + \frac{256}{10}\right) = (26) \left(0.81 \overline{81}\right)$$

$$\frac{v_0}{v_r} = 64 = 21.27 v_1$$

G=? G= No Ri: 00

$$G = \frac{1 + \frac{R^2}{R_1}}{1 + \frac{1}{4} \left( 1 + \frac{R^2}{R_1} \right)} \frac{1 + \frac{5}{1 + \frac{1}{10,000} \left( 1 + \frac{5}{1} \right)}}{1 + \frac{1}{10,000} \left( 1 + \frac{5}{1} \right)}$$

$$G_7 = \frac{6}{1 + \frac{1}{10000}} = 5.996$$