

A) 
$$V_{I} = V_{I_{0c}} + V_{\dot{k}c}$$
,  $V_{I_{0c}} = V_{AS_{0c}} = V_{0V} + V_{\dot{k}} = 0, \lambda + 0, S$   

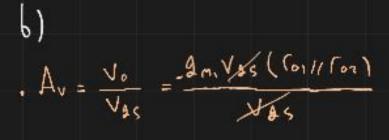
$$V_{I_{0c}} = 0, 7 V$$

$$Q_{1} = \frac{1}{2} (H_{0}C_{0x}) (\frac{W}{L}), (V_{0v})^{2}$$

$$Q_{2,3} = \frac{1}{2} (H_{0}C_{0x}) (\frac{W}{L}), (V_{0v})^{2}$$

$$V_{100} = \frac{1}{2} (V_{00}) (\frac{W}{L}), (V_{0x})^{2}$$

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$$A_{v} = -g_{m_{1}}(C_{01}|C_{01})$$

$$-g_{m_{1}} = \frac{2T_{01}}{V_{01}} = \frac{2(100\pi)}{0.2}$$

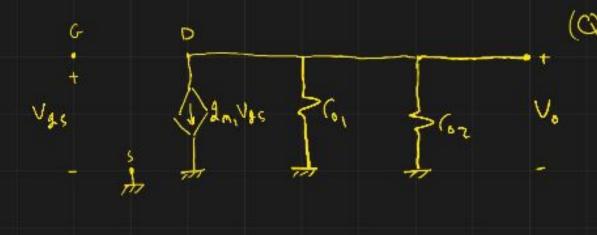
$$d_{m_{1}} = 1 \text{ mA/V}$$

$$\int_{0}^{\infty} (o_1 = \frac{VA}{IO_1} = \frac{5}{100M}$$

$$\therefore (o_1 = 50 \text{ kg})$$

$$\therefore C_0 / / C_{02} = 25 \text{ K.s.}$$

$$\therefore A_0 = -(1)(25) = -25$$



$$\int_{0}^{\infty} \int_{0}^{\infty} \frac{V_{A}}{I_{0}} = \frac{5}{I_{00\mu}}$$

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