

$$A_{V_{3}} = \frac{R_{c}}{R_{E} + \frac{R_{T_{3}}}{\beta}} = \frac{1 k \pi}{\sqrt{1k + \frac{34k}{100}}} = \frac{7.5}{7.5}$$

$$A_{V_{3}} = \frac{1.16}{1.16 + 1} \times (-36) \times -7.5 = 145$$

$$V_{c} = 21$$

$$I_{cpc} = 0.73 = \frac{V^{+}}{1 k} \rightarrow V^{+} = 0.73$$

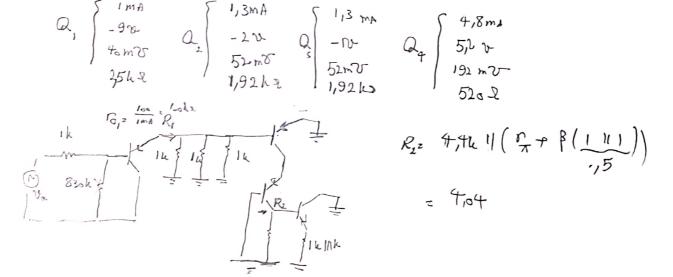
$$V_{p.p} \quad Mos = 1x.73 = 1.46$$

$$1.59u = V^{-} = \frac{V^{-}}{1 k} \times 1000 \rightarrow V^{-} = 1.40$$

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$$Q_{1} = \frac{1}{5} - \frac{1}{5}(x) - \frac{1}{7} - \frac{1}{5}(x) \times 850 = -5$$

$$Q_{1} = \frac{1}{5}(x) \times \frac{1}{5}($$



$$A_{v} := \frac{R_{1} R_{01}^{1}}{R_{1}^{2} R_{01}^{2}} + \frac{C_{r_{1}}}{R_{1}^{2}} = \frac{29 + R}{29 + 2 + \frac{2.5}{k_{1}}} = \frac{1.92}{100}$$

$$A_{v} := -\frac{R_{2}}{\frac{C_{R}}{R}} = -\frac{4k}{100} = \frac{500}{100} = 0.99$$

$$A_{v} := \frac{111116}{11166} = \frac{500}{100} = 0.99$$

$$A_{v} := \frac{R_{2}}{1111166} = \frac{500}{100} = 0.99$$

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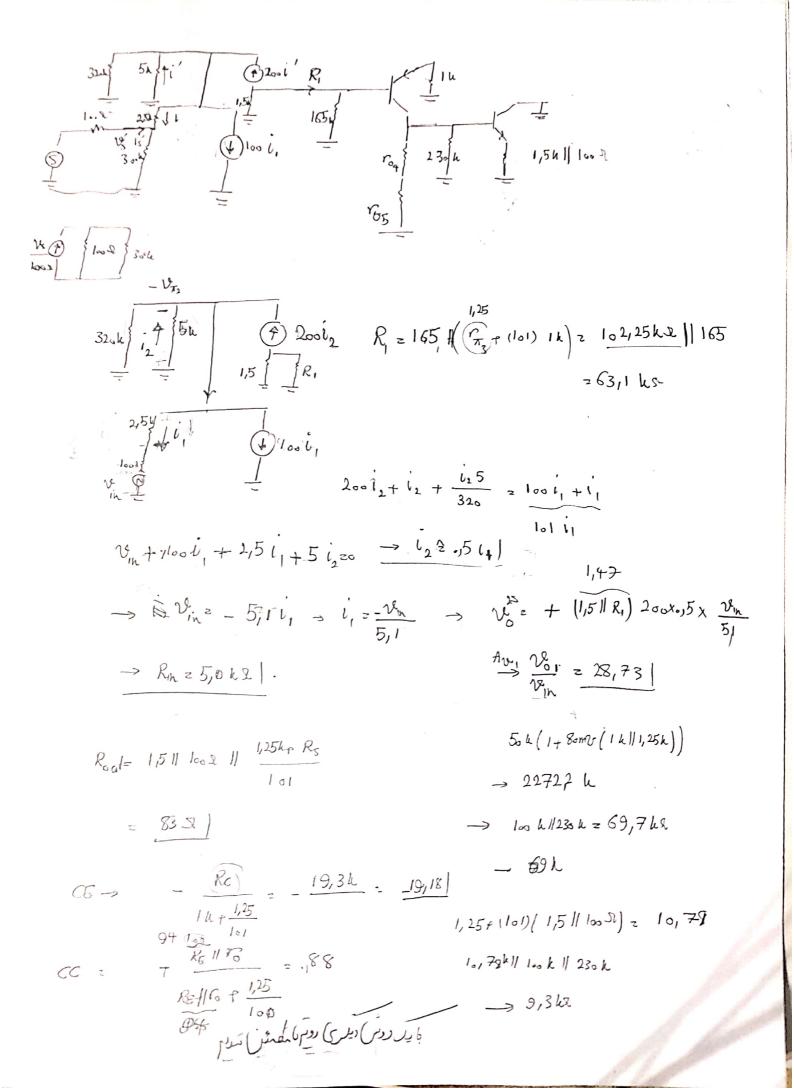
$$A_{v} := \frac{R_{2}}{100} = 0.99$$

$$A_{v} := -185$$

$$R_{0}$$

$$R_{0} := R_{1} = \frac{1}{2} = \frac{5}{11} = \frac{1}{2} = \frac{5}{11}$$

$$R_{0} := \frac{1}{2} = \frac{$$



$$R_{6} : \frac{R_{6}}{2a_{0}} : \frac{540}{2a_{0}} : 250 \longrightarrow R_{6} = \frac{(R_{7} + la + 155)}{(R_{7} + la + 155)} || 300 la = \frac{479 la}{479 la} |$$

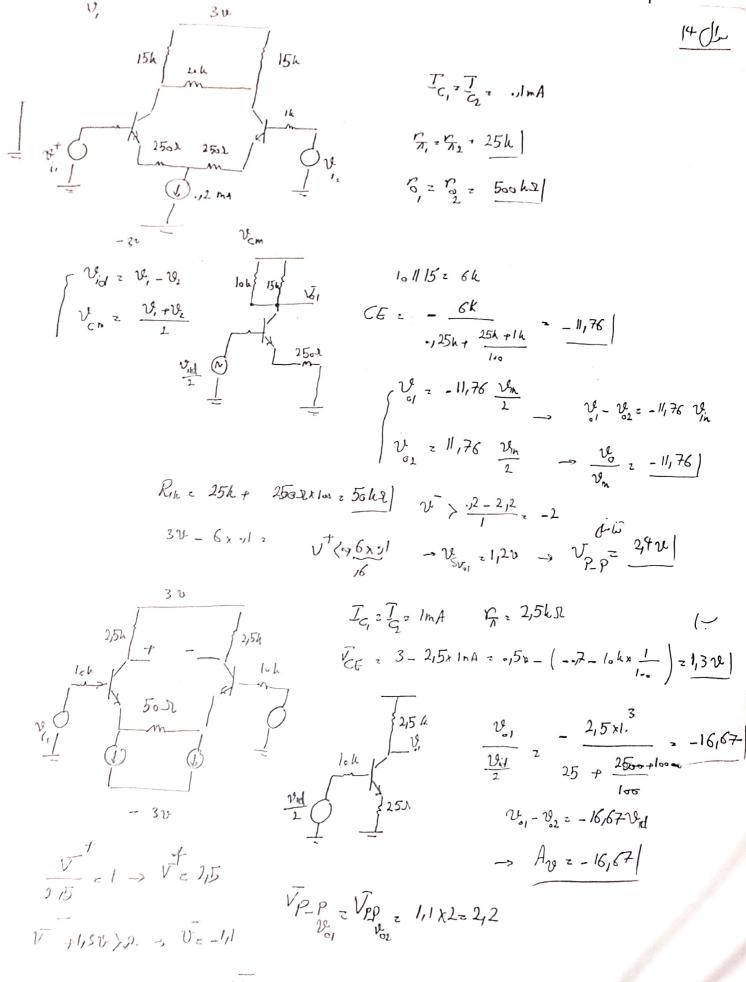
$$A_{1} : \frac{R_{6} || R_{0}|}{R_{6} || R_{6}|} + \frac{R_{7} || R_{7} ||}{R_{1} || R_{1} || R_{7} ||} = \frac{151}{2a_{0}} \longrightarrow \frac{R_{1} || R_{1} ||}{R_{1} || R_{1} ||} = \frac{258,60}{2a_{0}}$$

$$A_{1} : \frac{R_{6} || R_{0}|}{R_{6} + \frac{R_{7} || R_{5} ||}{R_{1} ||}} = \frac{19.5}{1a_{0}} = -9.3 R_{6} \cdot lao || 1.3 la || (2.15 + 2.66) || R_{1} ||} = \frac{258,60}{2a_{0}}$$

$$A_{1} : \frac{19.5}{1a_{0}} = \frac{19.5}{1a_{0}} = \frac{19.5}{1a_{0}} = \frac{19.5}{21.3} = \frac{19.5 lao || 1.5 la ||}{R_{1} || R_{1} ||} = \frac{2.58,60}{2a_{0}}$$

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VPP = 4,420/

