

$$A_{V_{1}} = \frac{-\frac{\log k \| R_{\pi_{1}}}{c} - 7.9}{c} + \frac{7.9}{\log k | R_{\pi_{2}}} = \frac{-\frac{\log k \| R_{\pi_{3}}}{R_{\pi_{3}}}}{\log k | R_{\pi_{3}}} = \frac{-\frac{1}{2}k}{\log k | R_{\pi_{3}}}$$

$$A_{V_{1}} = -\frac{1}{2} + \frac{1}{2} + \frac$$

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$$R_{ij} = (1+\alpha f) R_{i} + R_{5} - R_{5}$$

$$= (1+\alpha f) (R_{i} + R_{5}) = (1+\frac{AR_{i}f}{R_{5}+R_{5}}) (R_{i} + R_{5}) - R_{5}$$

$$= R_{i} + AR_{i}f = R_{i}(1+Af) - \frac{1}{2} U_{kin}$$

$$a_1 = A$$

$$= -$$

$$Rif = Ri(1+a_1f) - Jein$$
(?

$$R_{s,\sharp} = \frac{R_s}{1 + \frac{AR; \sharp}{R_s + R_s}} \longrightarrow R_s + \tilde{R}_s + \tilde{R}_$$

$$Rod = \frac{R_0}{1 + \frac{Q_2 R_1}{R_1 + R_5}} \rightarrow R_1 - R_2$$

$$\frac{38}{38} \int_{-\frac{1}{38}} \sqrt{38} \sqrt{1} \int_{-\frac{1}{38}} \sqrt{1} \sqrt{1} \int_{-\frac{1}{38}} \sqrt{1} \sqrt{1} \sqrt{1} = -\frac{1}{38} \sqrt{1} \sqrt{1}$$

$$R_{S} = 3h$$

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$$R_{S} = \frac{100}{43118136138} \times 19 = -9016h$$

$$R_{M} = \frac{1}{21212} \times 2 \Rightarrow R_{M} = \frac{1}{3122} \times 2 = -9016h$$

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$$R_{S} = 30 \text{ k}$$

$$\alpha_{2} = -100 \times \frac{30 \text{ fl is 1/36 ll 38}}{725} \times 1,9 = -140 \text{ l}$$

$$R_{12} = 1,94 \text{ kg} \rightarrow R_{13} + \frac{1,94}{1+\alpha_{1}}$$

$$R_{0} = \frac{1.9}{1+\alpha_{1}} + \frac{1.9}{1+\alpha_{1}}$$

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$$R_{0} = -1457 \text{ kg}$$

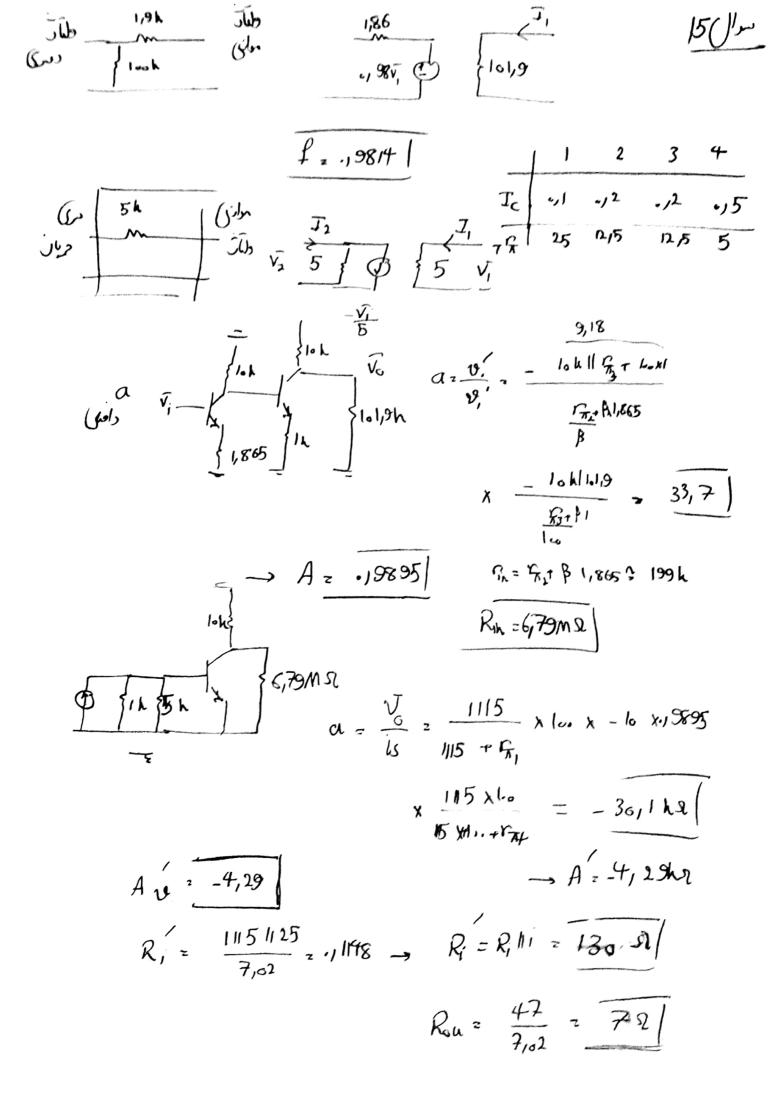
$$R_{0} = -1457 \text{ kg}$$

£.2 5,65 5711 77 + 6,25 x1-. -,998 بس فيدر | 1395 م 1395 م $\frac{1395}{1+0.22 \times 1395} = \frac{1,98}{\sqrt[3]{5}} = \frac{1}{\sqrt[3]{5}} =$ Rn = 7,56m -2 | Root = (6,25 11 (66)) = 5,55 h Roat c 5,55 h c 19,852 プ· z /x 5,7 = 5株 - 3,8 x1 = 7,6 ひ / で、 z 4でからこころ,8

2 h 3 h ابغا) .750 h 1 7 PSHI13 Yout = Vin x 30 x (50 11 50 11 45,7) x 15,1

16,2 15,1 x3+ 23 $a = \frac{i \cot z}{v_m} = 27,9 \frac{1}{ke} \left| -9 A = \frac{27,9}{100} = -,329 \right|$ Ar 2 Vout 2 0,329 x -25 2 -7,7 Rin = 11,5 x(1+af) = 970 h | Rout = 25 h | Gm 2 -175 x 40 = 5,2 m5 | Gm > 5,775 x 40 = 5,2 m5 | Gm > 6 Rout . 12,5 h2 | Rout . 12,5 h2 | **(**3

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$$\int_{D_{1}}^{2} z \int_{A_{2}}^{2} z \int_{A_{3}}^{2} z \int_{A_{3}}^{2} z \int_{A_{4}}^{2} z \int_{A_{5}}^{2} z \int_{A_{5}}^{$$