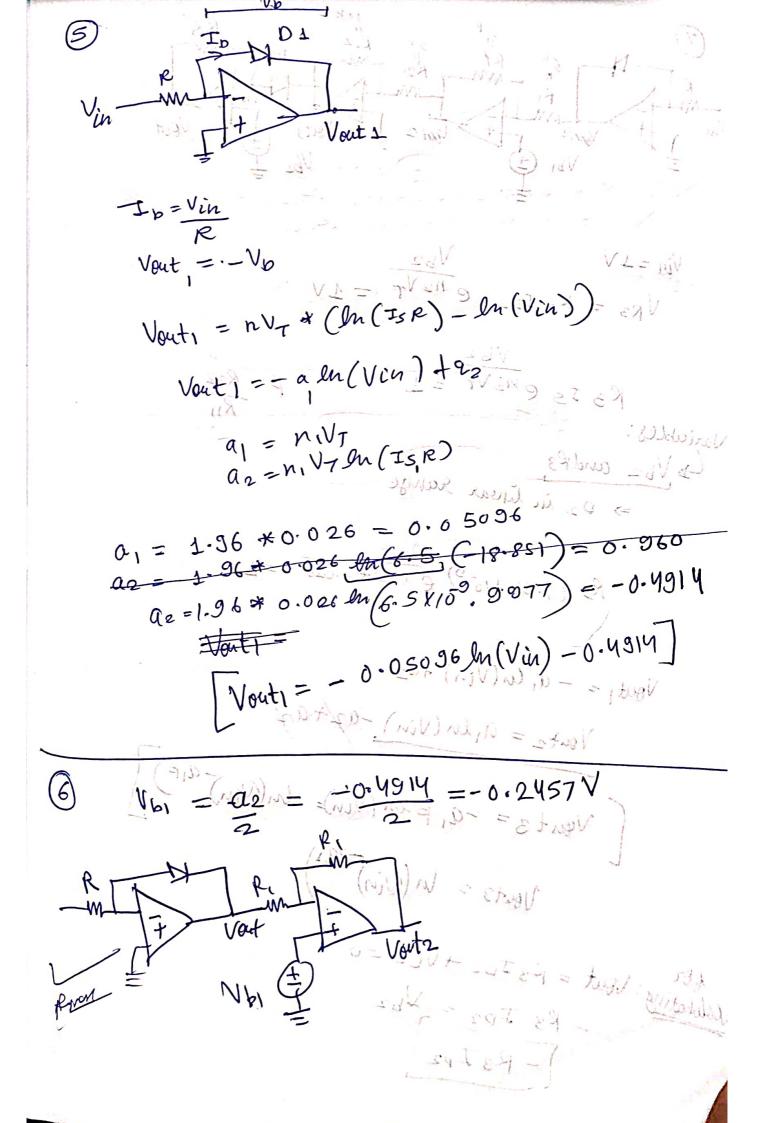
section of electricities & capacities Labor aldolymi many withing the sound of a se in consent no. my mater than it is partie Vd VIS th Ida y=0.05082+0.9587 Vd = 0.0508 ln Jd, + 0.9587 lu Idi = 1906592 -18-851 In Id2 = 19.964 ne - 18-693 Ross linear from - 6.5 to -9 V7=0.006V 19.654 = 1 nvfor Diode L $n_1 = \frac{1}{19.654 \times 0.026} = 1.96$ $ln(I_s) = -18.851$ $I_{s_1} = e^{-18.851} = 6.50 \times 10^{-9} A$ $n_2 = \frac{1}{19.96410.026} = 1.926$ IS2= e-18.693 = 7.616 X10 A

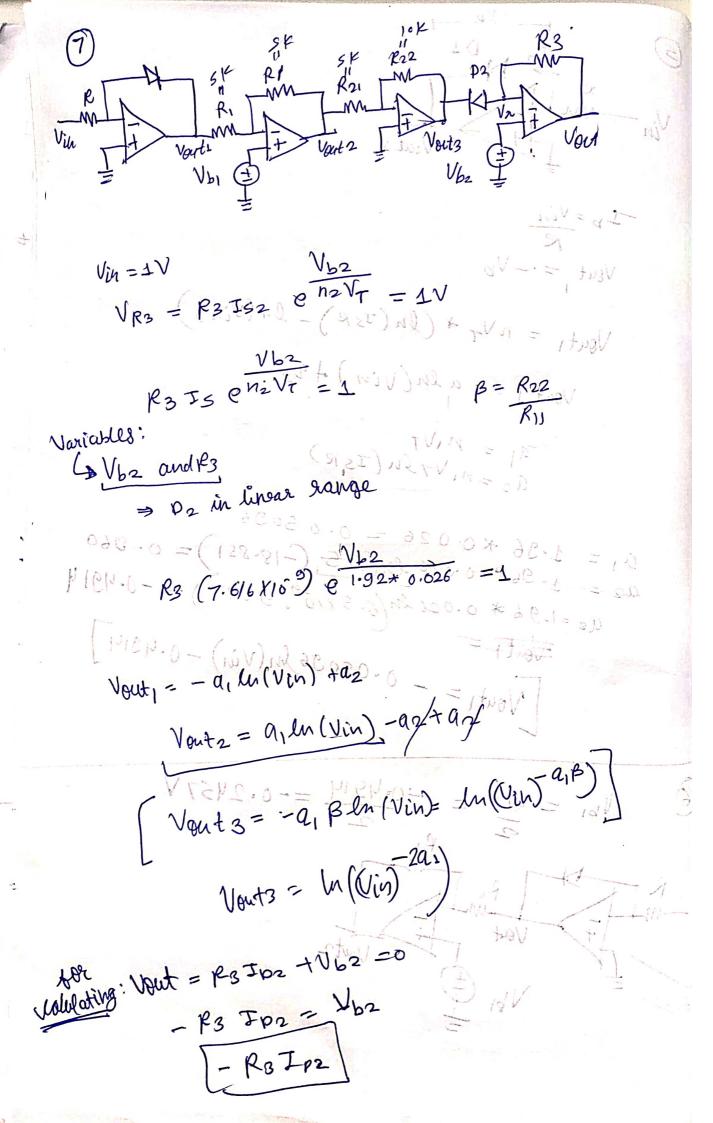
$$F = 15$$

$$Id2 = 0.001503$$

$$R = 15 = 9977 R$$

$$0.001503$$





$$T_{b2} = T_{52} - \frac{V_{b2}}{e^{h_2 V_7}} \cdot V_{U_b} \stackrel{h_1}{\sim} \beta$$

$$T_{b2} = 7.616 \times 10^{-3} \cdot \frac{V_{b2}}{e^{h_1 y_{26} * 0.026}} \cdot V_{b}$$

$$0 = 10^{10} \cdot (7.616 \times 10^{-9} \cdot e^{1.926 * 0.026}) + V_{b}$$

$$0 = 7.616 \times 10^{-5} \cdot e^{\frac{V_{b2}}{0.0500}} + V_{b}$$

$$V_{b2} = 0.432 V$$

$$R_{3} = 10 \text{ F/2}$$