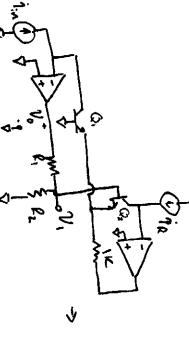
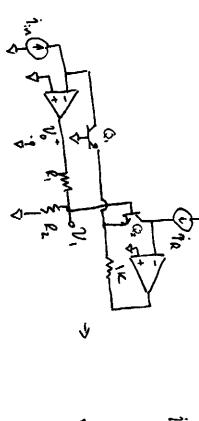


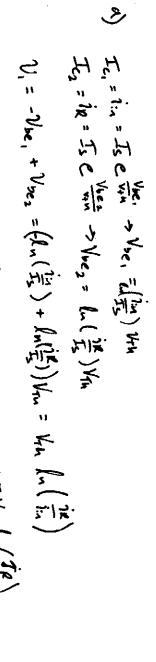
$$i_1 = g_m \frac{v_1 - v_2}{2}$$
 $i_2 = ag_m \frac{v_1 - v_2}{2}$
 $v_0 = (i_1 + i_2) R_0 \| f_{occasolo}$

To cascade = TON || Ton + Ton (1+5- (TON) | FON) = Brow

To cascade = 200 VAMM = 200 100 = 20 M.D.







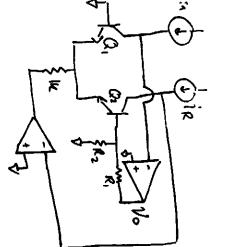
$$\int_{\mathcal{L}_{n}} (10) \times 16.7 \text{ Vm} \quad \int_{\mathcal{L}_{n}} (\frac{1}{2}) = A \int_{\mathcal{L}_{n}} (\frac{1}{2}) \rightarrow \int_{\mathcal{L}_{n}} \int_{\mathcal{L}_{n}} (10) \times 16.7 \text{ Vm } \approx \frac{1}{2}$$

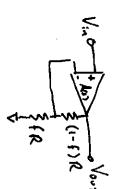
$$\int_{\mathcal{L}_{n}} (10) \times 16.7 \text{ Vm } \approx \frac{1}{2}$$

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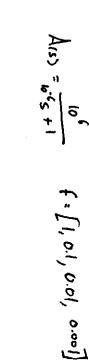
A=1 =
$$\log_2(x) = \frac{R_1 R_2}{R_2} \ln \ln \left(\frac{\pi R_2}{R_1}\right)$$

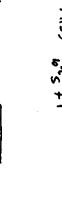
 $\frac{\ln(x)}{\ln(x)} = \frac{R_1 + R_1}{R_2} \ln \ln \ln \left(\frac{\pi R_2}{R_1}\right)$
 $\frac{\ln(x)}{\ln(x)} = \frac{R_1 + 1}{R_2} + \frac{R_2}{R_2} = \frac{1 - |54.7|}{\ln(x)}$
 $\frac{\ln(x)}{\ln(x)} = \frac{R_1 + 1}{R_2} + \frac{R_2}{R_2} = \frac{1 - |54.7|}{\ln(x)}$





$$\frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}} \frac{1}{\sqrt{2}$$







$$\frac{V_0}{V_1} = \frac{G(s)}{1+GH(a)} \rightarrow \frac{V_{out}}{V_{i,n}} = \frac{A(s)}{1+fA(a)} = \frac{7s+1}{1+\frac{5a_0}{2s+1}} = \frac{a_0}{1+a_0f} = \frac{1}{2s+1}$$

7.00

₹₹

= [1, 10, 100, 1000]

$$\frac{6018}{20.85} \frac{f=0.01}{f=1}$$

$$\frac{6018}{160 \times 10^{4}} \frac{f=0.01}{160 \times 10^{4}} \frac{160 \times 10^{4}}{160 \times 10^{4}}$$

as & decreses Slows, but the final value is large. Frial value = DC Gain = F 1+ 9.f Slage = final value the step response

,25

