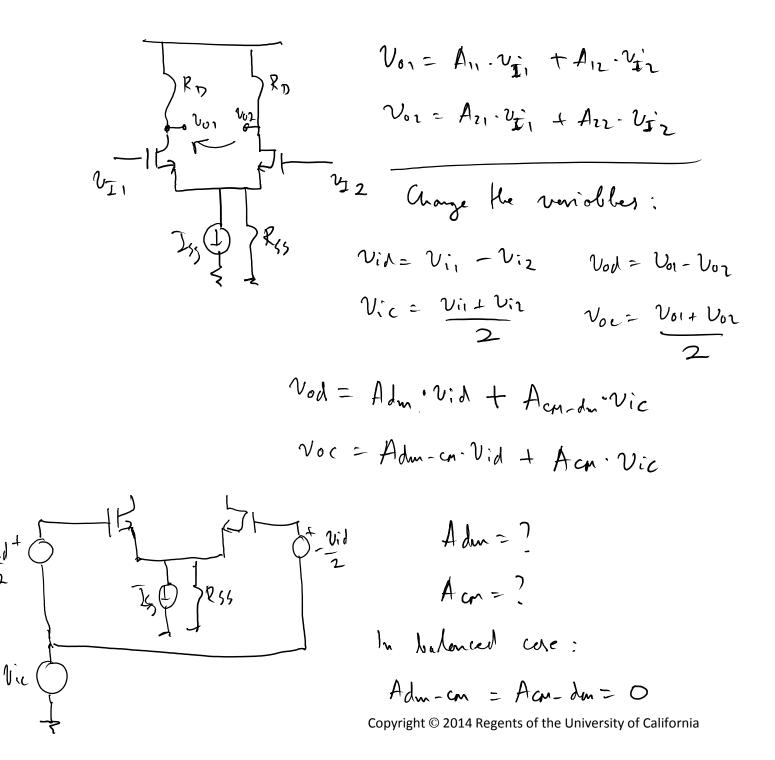
Differential Anglogiev $-v_{0} = A I_{m} \cdot (v_{11} - v_{12}) + A c_{m} \left(\frac{v_{11} + v_{12}}{2} \right)$ Defs: $V_{Id} = V_{II} - V_{I_2}$, $V_{ic} = \frac{V_{II} + V_{I_2}}{2}$ wort: lerge Adm, sull Acm, CMRR = Adm $\Delta l = l_1 - l_2$ 122 M2 K $V_{1d} = V_{1} - V_{1}$ $\dot{L}_{1} = \frac{\kappa}{2} \frac{\omega}{2} \left(V_{GN} - V H_{1} \right)^{2}$ $\dot{n_2} = \frac{16}{2} \frac{1}{2} \frac{1}{2} \left(\frac{1}{\sqrt{32}} - \frac{1}{\sqrt{4}} \right)^2$ Assurptions: M, M2 in SAT $\stackrel{\text{KVL}}{=} \mathcal{V}_{1,-}\mathcal{V}_{1,2} = \mathcal{V}_{GS_1} - \mathcal{V}_{GS_2} = \mathcal{V}_{1d}$ 2) Minz identical 3) Neglect the B.E $\frac{V_{I}d = V_{001} - V_{002}}{\leq} = \frac{\int i p_1 - \int i p_2}{\int \frac{\mu' V_2}{2 I_2}}$ (4) Neybert ro

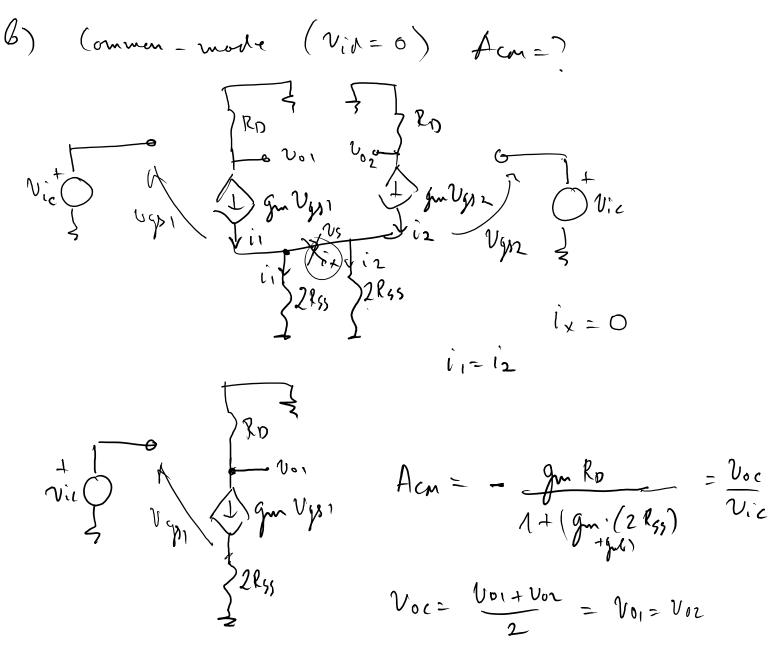
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KCL: Iss = i1 + i2 Salue by in 2) $\dot{L}_{1} = \frac{I_{s}}{2} + \frac{\kappa'}{4} + \frac{\omega}{2} v_{Id} \sqrt{\frac{4I_{s}}{\kappa''}}$ $\hat{\lambda}_{2} = \frac{I_{SS}}{2} - \frac{\kappa'}{\kappa} \frac{\omega}{2} \frac{V_{J}}{2} d \left(\frac{\mu J_{SS}}{\kappa' \frac{\omega}{2}} \right)$ U5 12 $\Delta i = i_1 - i_2 = \frac{k}{2} - \frac{v_1}{2} v_1 d$ hls, $-v_{Id}^2$ All Zss ١ Vou 1 しょう VIII JISS - JO VII off= -255 Ken Jours: = Vou 2 _____ Vos-VH () big vid sudd Dig vid JIss $(2) - \hat{l}_{s_s} < a_1 < \hat{l}_{s_s}$ ひょしこの J <u>)</u>,<s Vzdoff=f(~, Iss) Copyright © 2014 Regents of the University of California

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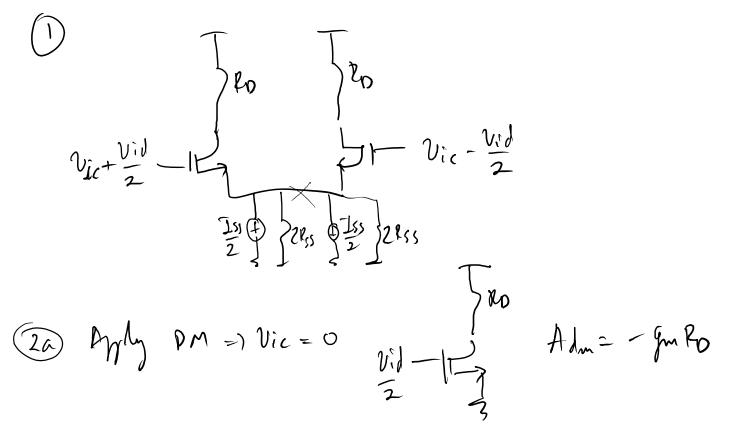


Superportion:
a)
$$Vi_{L} = 0$$
 (Differential mode) $Adm = ?$
 $Vi_{Z} = 0$ (Differential mode) $V_{S} = 0$
 $Vi_{Z} = 0$ (Differential mode) $V_{S} = 0$ (Differential



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