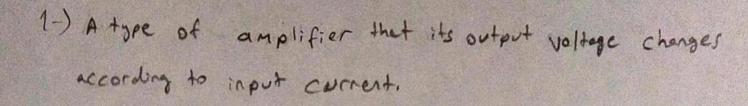
Yunus Enre ERYILMAZ JE.



$$\frac{T_{D} = \frac{R}{2} \left(V_{GS} - V_{4N} \right)^{2}, \left(1 + \frac{V_{AS}}{V_{A}} \right)}{2.10^{-3}} = \frac{4.10^{-3}}{2}. \left(3 - V_{S} - 1 \right)^{2}. \left(1 + \frac{6 - V_{S}}{80} \right)$$

$$1 = \frac{(2 - V_S)^2}{4 + V_S^2 - 4V_S} \left(\frac{86 - V_S}{80} \right) = \frac{1344 - 344V_S + 86V_S^2 - (4V_S + V_S^3 - 4V_S^2)}{80}$$

$$0 = V_5^3 + 90 V_5^2 - 349 V_5 + 264$$

 $V_{51} = 3.25$ $V_{52} = -94, 11$ $V_{53} = 0.86 V$
 $V_5 = 0.86 V$