EE 105 Discussion

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Exercise 1
Exercise 2

5.57 For each of the circuits shown in Fig. P5.57, find the labeled node voltages. The NMOS transistors have \( V_T = 0.9 \) V and \( k'(W/L) = 1.5 \) mA/V².
**Exercise 3**

*6.42* In the circuit shown in Fig. P6.42, current source $I$ is 1.1 mA, and at 25°C $v_{BE} = 680$ mV at $i_E = 1$ mA. At 25°C with $\beta = 100$, what currents flow in $R_1$ and $R_2$? What voltage would you expect at node E?