

$$V_{REF} = \frac{N}{9} \cdot k \cdot T \cdot m \cdot \ln k + V_{OI} \cdot \frac{N}{L}$$

$$0 = \frac{\delta V_{REF}}{\delta T} = \cancel{N} \cdot m \cdot \ln k \cdot \frac{k}{9} + \frac{N}{L} \cdot \frac{\delta V_{OI}}{\delta T}$$

little m \rightarrow $0.085 \frac{mV}{CO}$
emission coefficient \rightarrow $-1.6 \frac{mV}{CO}$

$$I_0 = I_s e^{\frac{V_D}{NVT}} \quad L = \left(\frac{k \cdot \ln k \cdot 0.085}{1.6} \right)^{-1}$$

$L = 3.91$

emission coefficient

2)